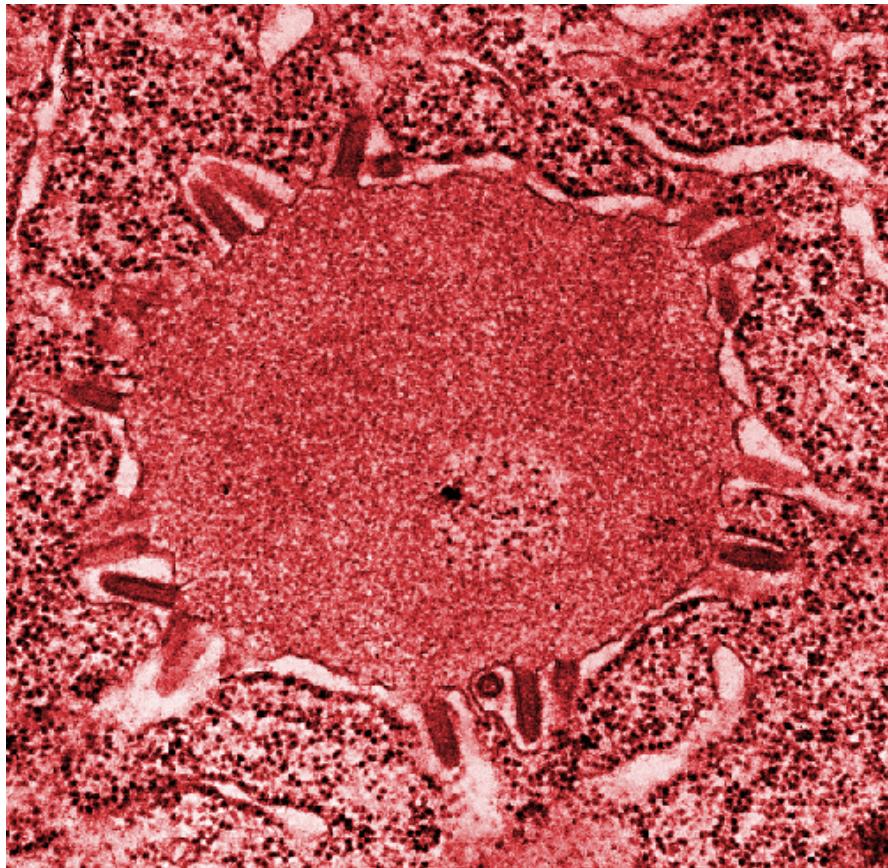


California Rabies Control Program

1998

Annual Report



*Electron micrograph of rabies virus in brain cells surrounding a negri body at 64,000 x magnification.
Courtesy of Dr. F.A. Murphy, UC Davis.*

California Department of Health Services
Division of Communicable Disease Control
Disease Investigations and Surveillance Branch
Veterinary Public Health Section
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Sacramento, CA 94234-7320



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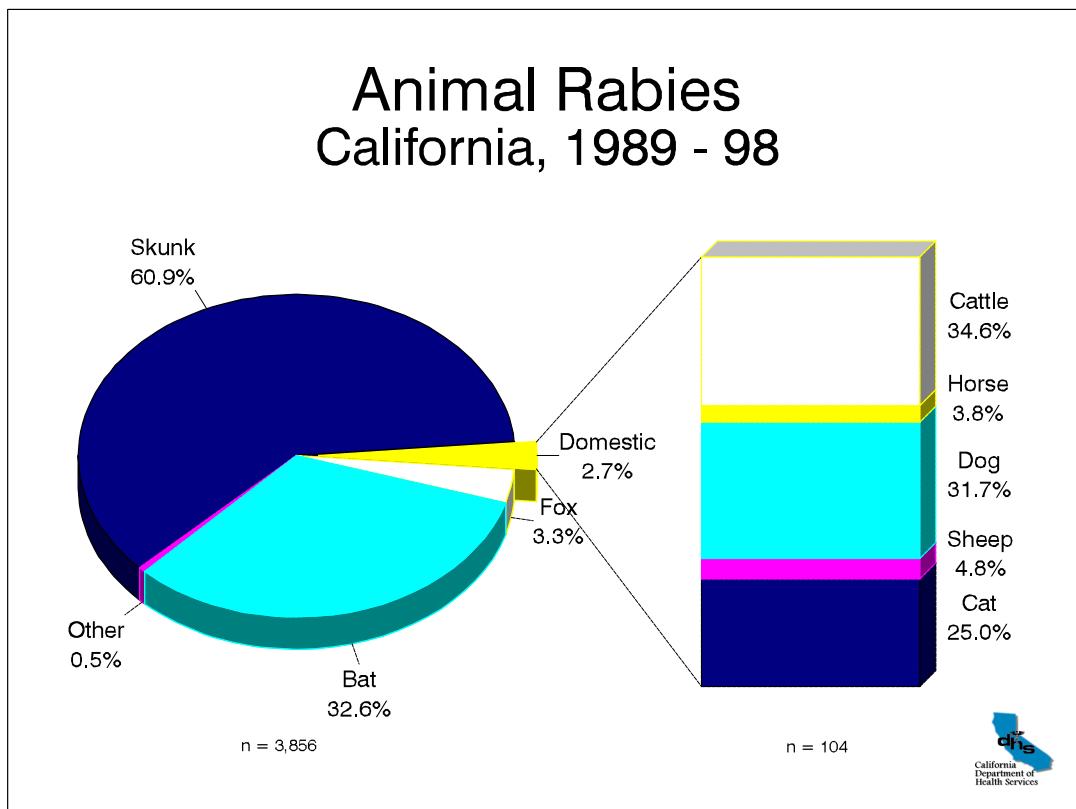
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Reported Animal Rabies Cases by County and Species - FINAL
California, January 1 through December 31, 1998

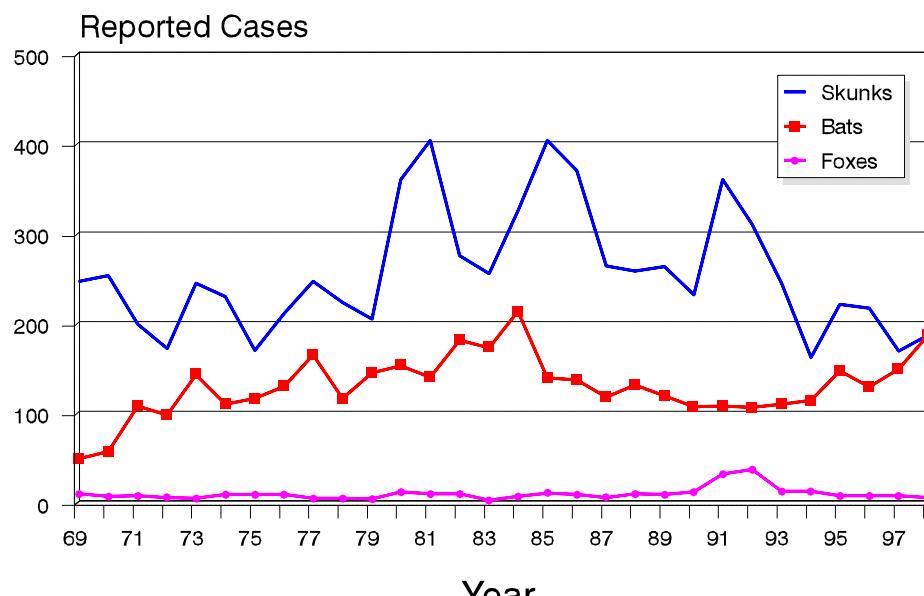
	Total	Cat	Cattle	Dog	Horse	Sheep	Bat	Raccoon	Fox	Skunk	Other
	384	3	1	4	0	0	185	0	4	185	2*
Alameda	13	-	-	-	-	-	6	-	1	6	-
Alpine	0	-	-	-	-	-	-	-	-	-	-
Amador	5	-	1	-	-	-	2	-	-	2	-
Butte	22	1	-	-	-	-	16	-	-	5	-
Calaveras	0	-	-	-	-	-	-	-	-	-	-
Colusa	2	-	-	-	-	-	2	-	-	-	-
Contra Costa	16	-	-	-	-	-	4	-	-	12	-
Del Norte	0	-	-	-	-	-	-	-	-	-	-
El Dorado	13	-	-	-	-	-	1	-	1	11	-
Fresno	10	-	-	-	-	-	3	-	-	7	-
Glenn	29	-	-	-	-	-	9	-	-	20	-
Humboldt	4	1	-	-	-	-	1	-	-	2	-
Imperial	1	-	-	-	-	-	1	-	-	-	-
Inyo	5	-	-	-	-	-	5	-	-	-	-
Kern	12	-	-	-	-	-	12	-	-	-	-
Kings	1	-	-	-	-	-	1	-	-	-	-
Lake	1	-	-	-	-	-	-	-	-	1	-
Lassen	1	-	-	-	-	-	-	-	-	1	-
Los Angeles	14	-	-	-	-	-	14	-	-	-	-
Madera	3	-	-	-	-	-	1	-	-	2	-
Marin	12	-	-	-	-	-	10	-	-	2	-
Mariposa	6	-	-	-	-	-	-	-	-	6	-
Mendocino	7	-	-	1	-	-	1	-	1	4	-
Merced	1	-	-	-	-	-	1	-	-	-	-
Modoc	0	-	-	-	-	-	-	-	-	-	-
Mono	0	-	-	-	-	-	-	-	-	-	-
Monterey	8	-	-	-	-	-	5	-	1	2	-
Napa	0	-	-	-	-	-	-	-	-	-	-
Nevada	7	-	-	-	-	-	-	-	-	7	-
Orange	9	-	-	-	-	-	8	-	-	-	1
Placer	33	1	-	1	-	-	2	-	-	28	1
Plumas	2	-	-	-	-	-	2	-	-	-	-
Riverside	5	-	-	-	-	-	5	-	-	-	-
Sacramento	23	-	-	-	-	-	6	-	-	17	-
San Benito	4	-	-	-	-	-	2	-	-	2	-
San Bernardino	9	-	-	-	-	-	9	-	-	-	-
San Diego	15	-	-	-	-	-	15	-	-	-	-
San Francisco	0	-	-	-	-	-	-	-	-	-	-
San Joaquin	3	-	-	-	-	-	3	-	-	-	-
San Luis Obispo	30	-	-	-	-	-	6	-	-	24	-
San Mateo	0	-	-	-	-	-	-	-	-	-	-
Santa Barbara	10	-	-	-	-	-	9	-	-	1	-
Santa Clara	4	-	-	-	-	-	4	-	-	-	-
Santa Cruz	0	-	-	-	-	-	-	-	-	-	-
Shasta	5	-	-	-	-	-	-	-	-	5	-
Sierra	0	-	-	-	-	-	-	-	-	-	-
Siskiyou	0	-	-	-	-	-	-	-	-	-	-
Solano	1	-	-	-	-	-	-	-	-	1	-
Sonoma	1	-	-	-	-	-	1	-	-	-	-
Stanislaus	0	-	-	-	-	-	-	-	-	-	-
Sutter	2	-	-	-	-	-	1	-	-	1	-
Tehama	3	-	-	1	-	-	1	-	-	1	-
Trinity	0	-	-	-	-	-	-	-	-	-	-
Tulare	7	-	-	1	-	-	1	-	-	5	-
Tuolumne	4	-	-	-	-	-	1	-	-	3	-
Ventura	6	-	-	-	-	-	6	-	-	-	-
Yolo	12	-	-	-	-	-	6	-	-	6	-
Yuba	3	-	-	-	-	-	2	-	-	1	-

* Other included 2 opossums

Animal Rabies California, 1989 - 98

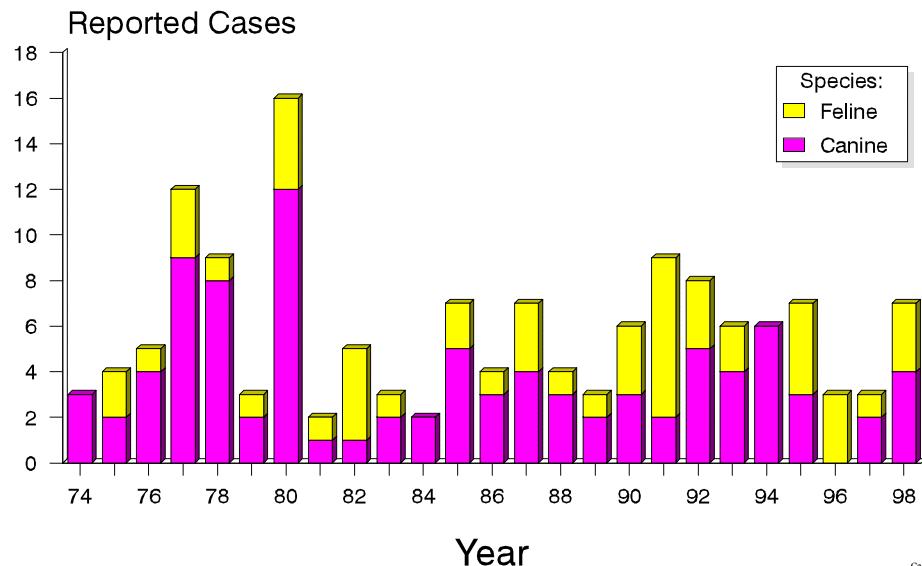


Rabies in California Wildlife 1969 - 1998



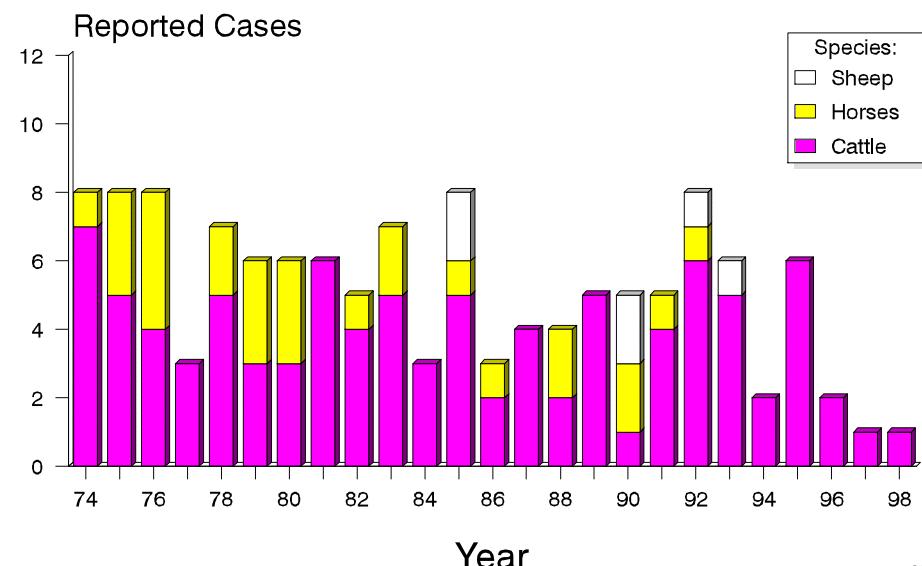
Rabies in Domestic Dogs & Cats

California, 1974 - 1998



Rabies in Domestic Livestock

California, 1974 - 1998



DOMESTIC/WILDLIFE ANIMAL RABIES, CALIFORNIA

1989 - 1998

(10 Years)

	Total	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Domestics	104	8	11	14	17	11	8	13	10	4	8
Cattle	36	5	1	4	6	5	2	6	5	1	1
Cat	26	1	3	7	3	2	-	4	2	1	3
Dog	33	2	3	2	5	3	6	3	3	2	4
Horse	4	-	2	1	1	-	-	-	-	-	-
Sheep	5	-	2	-	2	1	-	-	-	-	-
Wildlife	3,752	387	350	496	451	364	286	370	349	323	376
Skunk	2,347	261	230	358	308	244	160	219	215	167	185
Bat	1,258	119	105	106	104	108	112	145	127	147	185
Ferret	-	-	-	-	-	-	-	-	-	-	-
Fox	126	7	10	30	35	11	11	6	6	6	4
Raccoon	4	-	-	-	1	-	-	-	1	2	-
Coyote	5	-	2	-	2	-	1	-	-	-	-
Opossum	5	-	1	1	1	-	-	-	-	-	2
Mt. Lion	1	-	-	-	-	-	1	-	-	-	-
Bobcat	2	-	2	-	-	-	-	-	-	-	-
Badger	1	-	-	1	-	-	-	-	-	-	-
Wolf-Dog Hybrid	3	-	-	-	-	1	1	-	-	1	-

Domestic Rabid Animals, California 1998

1. Canine--Tehama County: An unvaccinated 8-month-old male intact Great Dane from Orland. The dog resided on a dairy ranch and was kept strictly outdoors with several other dogs. Slight behavior changes were noted on 2/20/98 and hypersalivation was observed on 2/21. It was also noted that the puppy smelled like skunk spray. The puppy progressed with neurological signs and weakness on 2/22 and was seen by a veterinarian on 2/23 at which time the dog was aggressive and thrashing/seizuring. The treating veterinarian initially suspected a toxic exposure rather than rabies. The dog died at the veterinary clinic and was buried on 2/24. The body was exhumed on 2/25 for rabies testing. Multiple rabies DFA tests were inconclusive at the State Viral and Rickettsial Disease Laboratory (VRDL). However, the dog tested positive for rabies on PCR, and virus was isolated in neuroblastoma cell culture and by mouse inoculations. The strain type was identified as the Glenn County skunk strain. Six unvaccinated cats in the household were euthanized. Four dogs on the premise with current rabies immunization were revaccinated and quarantined. Approximately 1,000 head of cattle were quarantined due to possible contact with the dog on the property. Nine family members, 1 ranch worker, and 3 veterinary staff received rabies postexposure prophylaxis. The rabies virus typed out as Sacramento Valley Skunk Strain.
2. Canine--Placer County: An unvaccinated 7-year-old spayed female Border Collie from Newcastle. The dog resided on a 5-acre ranch with 6 other dogs, several cats, cattle, horses, and sheep. The dog became ill on 3/10/98 and was presented to a veterinarian on 3/12 with weakness, unusual behavior, walking with its head slumped, and hypersalivation. The veterinarian suspected rabies from the beginning and took appropriate exposure precautions including placing the dog in isolation. The dog was euthanized on March 13 and the brain submitted for rabies testing. The Placer County Public Health Laboratory reported a positive DFA for rabies on March 13. Four of the 6 dogs had current rabies vaccination. These four were revaccinated and quarantined. The 2 unvaccinated dogs were euthanized. No direct exposures to the livestock or cats were determined. The dog was reported to wander the rural neighborhood, and neighbors were alerted by the Placer County Health Department. Four family members received post-exposure prophylaxis for saliva contact with the dog. No additional human exposures were determined. The rabies virus typed out as Sacramento Valley Skunk Strain.
3. Canine--Tulare County: An unvaccinated indoor/outdoor 18-month-old female intact Queensland Heeler from Exeter. The dog resided in a home with 2 other dogs in a rural area. The dog reportedly attacked a skunk in the front yard of the residence on May 17 and received a bite just above the eye from the skunk. Animal control placed the dog in a 6-month quarantine in the animal shelter the same day. Animal Control collected the skunk carcass which tested positive for rabies on May 26 at the Tulare County Public Health Laboratory. The dog received one rabies vaccine on May 28. On June 1, the owner visited the dog in quarantine and noted a marked behavior change. The normally timid dog had become very aggressive. The dog was euthanized on June 2 and tested positive for rabies at the county Public Health Laboratory. Fluorescence was identified only in the brainstem, and attempts at virus isolation were not successful. The other two dogs in the household were vaccinated against rabies and placed into a 6-month quarantine. No humans received post-exposure prophylaxis associated with this case.

This case suggests a 15 day incubation period. The limited distribution of rabies virus in the dog's brain serves to remind us of the importance of including the brain stem (medulla and spinal cord) in rabies testing submissions for all species, regardless of size.

4. Canine--Mendocino County: An unvaccinated 18-month-old male Shepherd cross from Dos Rios. The dog was kept outdoors in a rural area with 3 other dogs in the household. The animal first exhibited signs of lethargy, and difficulty eating and swallowing on July 24. It was seen by a veterinarian that same day. The dog's condition progressed, and the veterinarian began to consider the possibility of rabies. The dog was euthanized on July 30 and submitted for rabies testing. The Mendocino County Public Health Laboratory reported the FRA positive on July 31. Two persons were scratched by the dog and seven others had saliva exposure, all nine received rabies postexposure prophylaxis. The 3 other unvaccinated dogs at the premise were vaccinated and quarantined for six months.
5. Feline--Butte County: A stray black and white domestic shorthaired kitten, approximately four months of age, was found near the Bidwell Park area in Chico. On August 1, the kitten was found on a back yard chain link fence with a dog barking at it. The dog's owner tried to capture the kitten and was bitten. The kitten was placed in a 10-day quarantine. From the onset of quarantine the kitten had evidence of an upper respiratory infection, and died on August 10. Butte County Public Health Laboratory reported the cat as FRA positive on August 13. The bite victim and three other persons with saliva exposure to the kitten were prophylaxed. The bite victim's dog was not known to have contact with the cat. However, the dog was still revaccinated and quarantined for 30-days as a precaution. The kitten may have been the product of a significant feral cat population in Bidwell Park. County Public Health and Animal Control are looking into that issue.
6. Feline--Humboldt County: A stray kitten approximately three months of age was found in the town of Bluelake. The kitten and 3-4 litter-mates were found under the front porch of a residence. On August 1, the homeowner tried to capture the kittens to take them to the humane society when one kitten bit her on the finger. She took that kitten to the humane society for quarantine. The kitten developed signs of an upper respiratory infection on the last day of quarantine and was euthanized and submitted for rabies testing on August 11. The Humboldt County Public Health Laboratory reported the cat as FRA positive on August 13. The bite victim started rabies postexposure prophylaxis immediately. The remaining litter-mates were captured by a federal trapper. They were euthanized and tested negative for rabies. There were no other exposures to humans or animals.
7. Feline--Placer County: A stray feral kitten approximately two months of age was found in the town of Roseville. A litter of five stray kittens was captured in the neighborhood on September 21. One kitten reportedly was showing signs of aggression and bit and scratched the person who collected the kittens. The kitten was euthanized and tested positive at the Placer County Public Health Laboratory on October 8. The bite victim received postexposure prophylaxis. The remainder of the litter was tracked down (adopted by several neighborhood families), and the kittens were euthanized. All four tested rabies negative. The rabies virus typed out as Sacramento Valley Skunk Strain.
8. Bovine--Amador County: An adult Angus cow from Plymouth. The animal was kept with

6 other head on a rural ranchette in the foothills. The animal was seen by a veterinarian on October 15 on pasture. The cow had a 3-4 day history of strange behavior and bellowing prior to the call. It had been down for 2 hours, was manic, thrashing, uncoordinated, and could not stand. The animal was treated but died later that evening. The brain was submitted for rabies testing through the UC Davis School of Veterinary Medicine, and was reported as FRA positive by the Yolo County Public Health Laboratory on October 19. Approximately three-to-four weeks prior to animal's illness, the cattle were observed chasing and butting a skunk in the field. A caretaker shot the skunk and disposed of it without testing. A total of 5 persons received rabies postexposure prophylaxis including two children who had been hand feeding the animal the prior week. The other 6 head of cattle, 2 dogs and 3 cats on the property were euthanized. The rabies virus typed out as Sierra Foothills Skunk Strain.

Rabies in California
1998 Versus Ten Year Averages

<u>Species</u>	Number Examined		Number Positive		Percent Positive	
	<u>1998</u>	<u>10 year Average</u>	<u>1998</u>	<u>10 year Average</u>	<u>1998</u>	<u>10 year Average</u>
Cat	2,510	2,415	3	2.7	0.12%	0.11%
Dog	2,804	2,265	4	3.0	0.14%	0.13%
Skunk	930	1,196	185	235.3	19.89%	19.67%
Bat	1,448	1,210	185	125.2	12.78%	10.35%
Opossum	479	440	2	0.5	0.42%	0.11%
Raccoon	315	288	-	0.5	0	0.17%
Fox	53	135	4	12.6	7.55%	9.33%
Coyote	65	60	-	0.5	0	0.83%
Horse	54	60	-	0.4	0	0.67%
Rat	41	45	-	0	0	0
Squirrel	94	61	-	0	0	0
Cattle	26	44	1	3.3	3.85%	7.50%
Gopher	26	33	-	0	0	0
Mice	26	23	-	0	0	0
Sheep	7	11	-	0.5	0	4.55%
Ferret	16	27	-	0	0	0
Bobcat	10	13	-	0.2	0	1.54%
Mountain Lion	8	4	-	0.1	0	2.50%
Wolf-Dog Hybrid*	2	4	-	0.3	0	7.50%
Badger	2	2	-	0.2	0	10.00%
Other	81	85	-	0	0	0
TOTAL	8,997	8,364	384	385.3	4.27%	4.61%

* Seven (7) Year Average Only for Wolf-Dog Hybrids

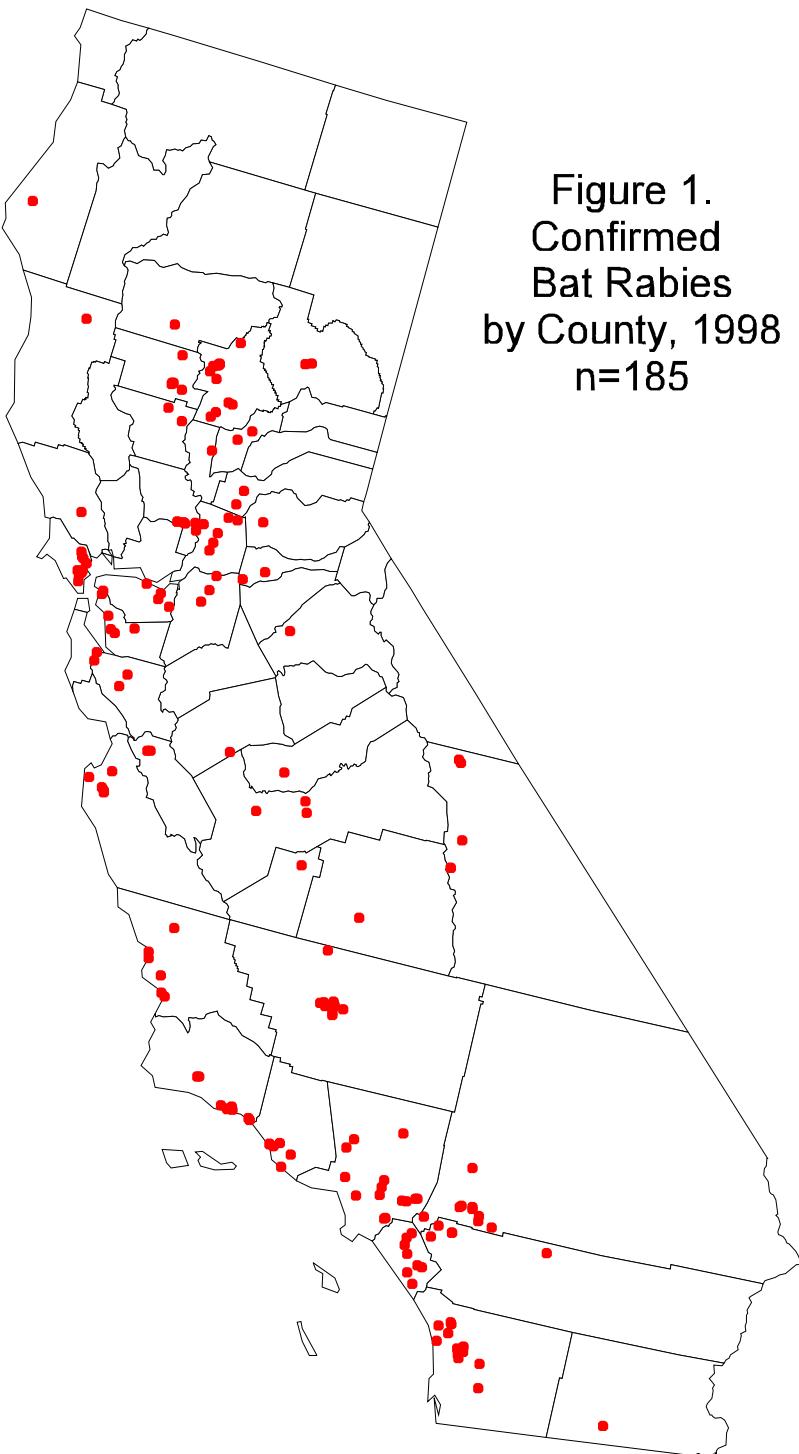


Figure 1.
Confirmed
Bat Rabies
by County, 1998
n=185

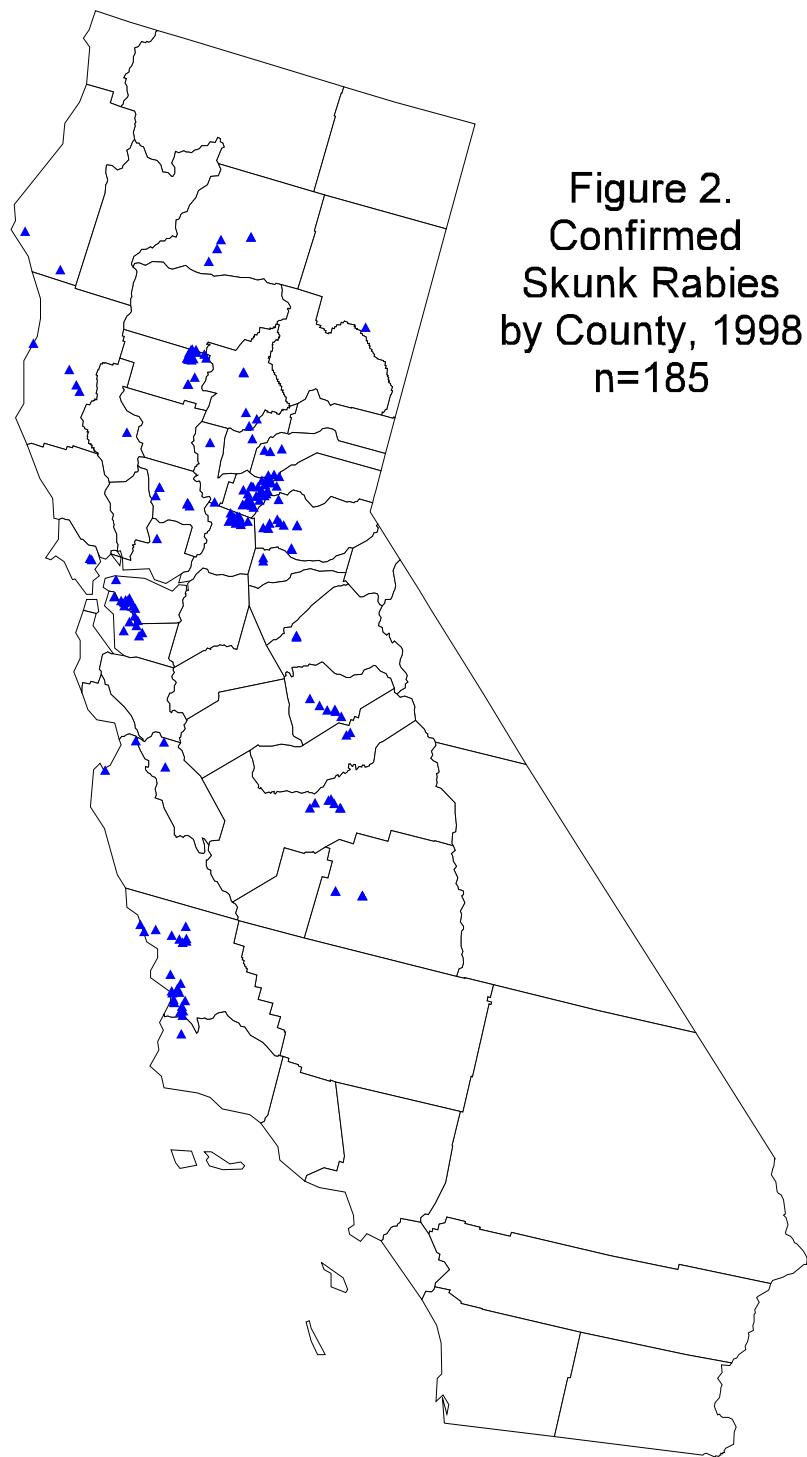


Figure 2.
Confirmed
Skunk Rabies
by County, 1998
n=185

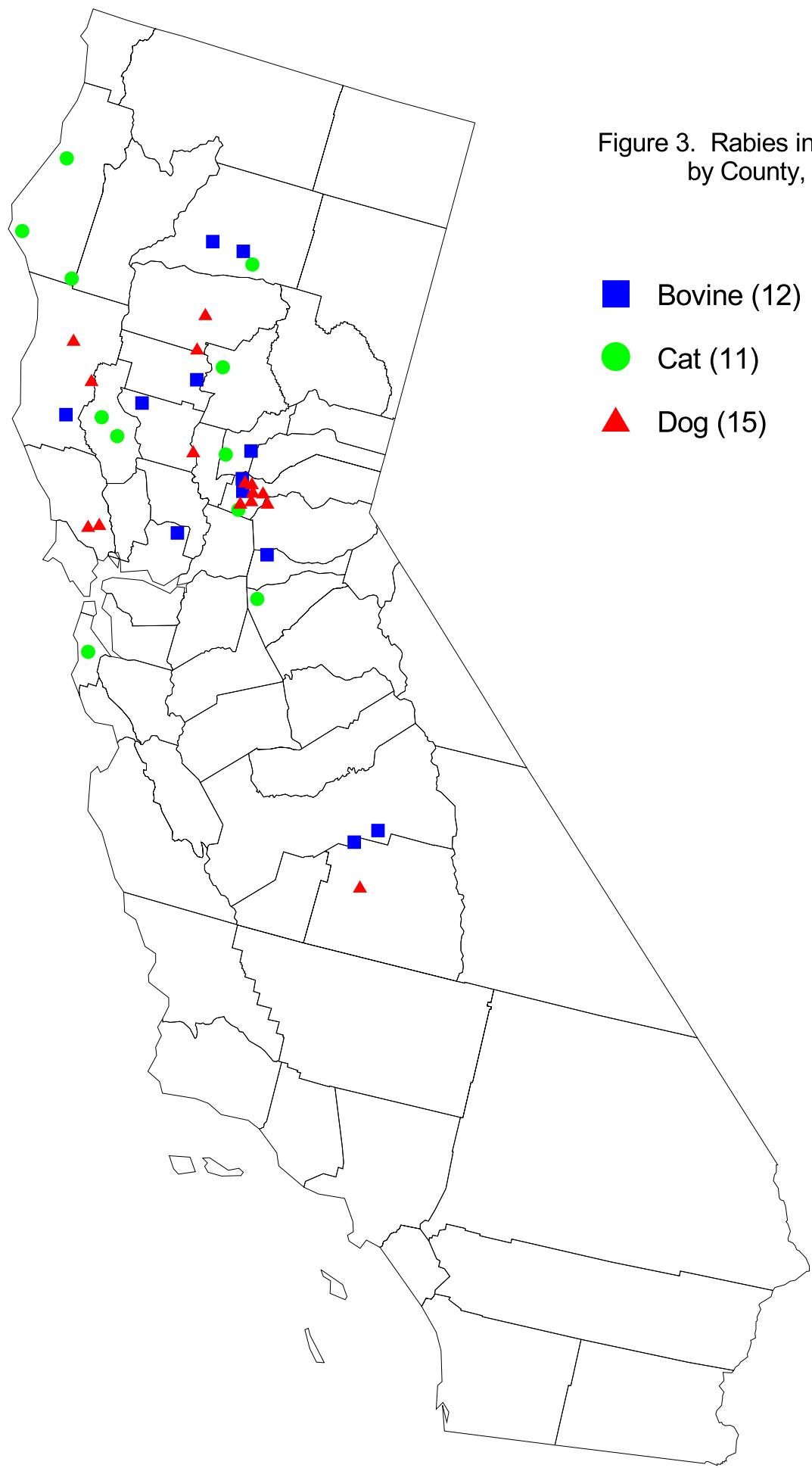
RABIES IN BATS AND SKUNKS, CALIFORNIA, 1998

County	Specimens Examined	Skunks Examined	Bats Examined	Total Positive	Skunks Positive	Bats Positive
Total	8,997	930	1,448	384	185	185
Alameda	313	67	49	13	6	6
Alpine	0	-	-	0	-	-
Amador	73	7	17	5	2	2
Butte	239	48	80	22	5	16
Calaveras	35	4	16	0	-	-
Colusa	7	-	4	2	-	2
Contra Costa	391	161	38	16	12	4
Del Norte	12	-	1	0	-	-
El Dorado	124	28	25	13	11	1
Fresno	288	16	34	10	7	3
Glenn	98	25	42	29	20	9
Humboldt	62	6	8	4	2	1
Imperial	54	7	22	1	-	1
Inyo	8	-	7	5	-	5
Kern	125	4	31	12	-	12
Kings	12	-	3	1	-	1
Lake	43	4	1	1	1	-
Lassen	14	3	7	1	1	-
Los Angeles	517	15	84	14	-	14
Madera	32	3	6	3	2	1
Marin	200	25	92	12	2	10
Mariposa	42	6	5	6	6	-
Mendocino	58	11	5	7	4	1
Merced	39	-	3	1	-	1
Modoc	5	-	-	0	-	-
Mono	2	-	2	0	-	-
Monterey	99	17	32	8	2	5
Napa	74	3	19	0	-	-
Nevada	55	14	5	7	7	-
Orange	1,054	47	62	9	-	8
Placer	217	57	20	33	28	2
Plumas	16	2	7	2	-	2
Riverside	207	7	27	5	-	5
Sacramento	212	39	29	23	17	6
San Benito	45	9	21	4	2	2
San Bernardino	323	17	78	9	-	9
San Diego	1,132	42	94	15	-	15
San Francisco	140	2	24	0	-	-
San Joaquin	104	10	22	3	-	3
San Luis Obispo	142	46	61	30	24	6
San Mateo	274	30	8	0	-	-
Santa Barbara	210	17	100	10	1	9
Santa Clara	561	25	33	4	-	4
Santa Cruz	78	13	11	0	-	-
Shasta	68	9	15	5	5	-
Sierra	1	1	-	0	-	-
Siskiyou	9	-	-	0	-	-
Solano	129	7	25	1	1	-
Sonoma	154	8	17	1	-	1
Stanislaus	60	1	5	0	-	-
Sutter	36	5	4	2	1	1
Tehama	21	1	2	3	1	1
Trinity	7	1	2	0	-	-
Tulare	92	9	16	7	5	1
Tuolumne	56	4	13	4	3	1
Ventura	374	31	59	6	-	6
Yolo	183	10	46	12	6	6
Yuba	41	6	9	3	1	2

RABID BAT SPECIES BY COUNTY, 1998

COUNTY	PALLID BAT (<i>Antrozous pallidus</i>)	TOWNSEND'S BIG-EARED BAT (<i>Corynorhinus townsendii</i>)	BIG BROWN BAT (<i>Eptesicus fuscus</i>)	SILVER-HAIRED BAT (<i>Lasionycteris noctivagans</i>)	WESTERN RED BAT (<i>Lasiurus blossevillii</i>)	HOARY BAT (<i>Lasiurus cinereus</i>)	SOUTHERN YELLOW BAT (<i>Lasiurus xanthinus</i>)	CALIFORNIA MYOTIS (<i>Myotis californicus</i>)	WESTERN SMALL-FOOTED MYOTIS (<i>Myotis ciliolabrum</i>)	LONG-EARED MYOTIS (<i>Myotis evotis</i>)	YUMA MYOTIS (<i>Myotis yumanensis</i>)	WESTERN PIPISTRELLE (<i>Pipistrellus hesperus</i>)	BRAZILIAN FREE-TAILED BATTY (<i>Tadarida brasiliensis</i>)	NOT IDENTIFIED	TOTAL
ALAMEDA	-	-	-	-	-	-	-	1	-	-	-	-	5	-	6
AMADOR	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
BUTTE	-	-	3	-	-	-	-	-	-	-	-	-	11	2	16
COLUSA	-	-	1	-	-	-	-	-	-	-	-	-	1	-	2
CONTRA COSTA	-	-	-	-	1	-	-	-	-	-	-	-	3	-	4
EL DORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
FRESNO	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3
GLENN	-	-	2	-	-	-	-	-	-	-	-	-	7	-	9
HUMBOLDT	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
IMPERIAL	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
INYO	-	-	-	-	-	2	-	-	-	2	-	-	1	-	5
KERN	-	-	1	-	-	-	-	1	-	-	-	-	8	2	12
KINGS	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
LOS ANGELES	-	-	2	-	-	3	-	1	-	-	-	-	6	2	14
MADERA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
MARIN	-	-	4	-	1	-	-	1	-	-	-	-	3	1	10
MENDOCINO	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
MERCED	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
MONTEREY	-	-	1	-	-	2	-	1	-	-	-	-	1	-	5
ORANGE	-	-	-	-	-	-	-	-	-	-	1	-	5	2	8
PLACER	-	-	-	-	-	1	-	-	-	-	-	-	1	-	2
PLUMAS	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
RIVERSIDE	-	-	-	-	-	-	1	-	-	-	1	2	1	-	5
SACRAMENTO	-	-	-	-	-	-	-	-	-	-	-	-	6	-	6
SAN BENITO	1	-	-	-	-	-	-	-	-	-	-	-	1	-	2
SAN BERNARDINO	-	-	2	-	-	2	2	-	1	-	1	-	1	-	9
SAN DIEGO	-	-	-	-	-	1	1	-	-	-	3	-	10	-	15
SAN JOAQUIN	-	-	-	-	-	1	-	-	-	-	-	-	2	-	3
SAN LUIS OBISPO	-	-	-	-	-	1	-	-	-	-	-	-	5	-	6
SANTA BARBARA	-	-	2	-	-	1	-	2	-	-	-	1	3	-	9
SANTA CLARA	-	-	-	-	-	-	-	1	-	-	-	-	3	-	4
SONOMA	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
SUTTER	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
TEHAMA	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
TULARE	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
TUOLUMNE	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
VENTURA	-	-	-	-	-	2	-	-	-	-	-	-	4	-	6
YOLO	-	-	-	1	-	-	-	-	-	-	-	-	5	-	6
YUBA	-	-	1	-	-	-	-	-	-	-	-	-	1	-	2
TOTAL	1	1	22	1	2	16	5	8	1	2	7	3	103	13	185

Figure 3. Rabies in Domestic Animals
by County, 1994-1998



Persons Exposed to and Bitten by Rabid Animals, California, 1990-98

1998

Species	Number Positive	Number Tested	Persons Exposed	Persons Bitten
Cattle	1	26	5	0
Cat	3	2,510	6	3
Dog	4	2,804	26	0
Sheep	0	7	0	0
Skunk	185	930	17	4
Bat	185	1,448	117	15
Fox	4	53	9	0
Other ¹	2	1,219	3	1
Total	384	8,997	183	23

¹ Opossum (2)

1997

Species	Number Positive	Number Tested	Persons Exposed	Persons Bitten
Cattle	1	35	6	0
Cat	1	2,249	3	1
Dog	2	2,446	20	0
Sheep	0	10	0	0
Skunk	167	1,113	29	3
Bat	147	1,349	62	1
Fox	6	88	5	1
Other	0	960	9	0
Total	327	8,250	134	6

1996

Species	Number Positive	Number Tested	Persons Exposed	Persons Bitten
Cattle	2	31	26	0
Cat	3	2,259	6	3
Dog	0	2,298	0	0
Sheep	0	13	0	0
Skunk	215	1,248	20	3
Bat	127	1,278	61	8
Fox	6	183	7	5
Other ²	1	1,115	5	0
Total	354	8,425	125	19

² Raccoon

1995

Species	Number Positive	Number Tested	Persons Exposed	Persons Bitten
Cattle	6	59	44	0
Cat	4	2,291	16	2
Dog	3	2,328	56	1
Sheep	0	14	0	0
Skunk	219	1,095	20	5
Bat	145	1,213	58	9
Fox	6	170	4	3
Other	0	1,073	0	0
Total	383	8,243	198	20

1994

Species	Number Positive	Number Tested	Persons Exposed	Persons Bitten
Cattle	2	40	5	0
Cat	0	2,295	0	0
Dog	6	2,338	60	2
Sheep	0	18	0	0
Skunk	160	1,031	14	1
Bat	112	1,104	19	7
Fox	11	160	4	2
Other ³	3	1,340	14	2
Total	294	8,126	121	14

³ Coyote, Mountain Lion, and Wolf-dog Hybrid

1993

Species	Number Positive	Number Tested	Persons Exposed	Persons Bitten
Cattle	5	50	13	0
Cat	2	2,573	7	4
Dog	3	2,256	20	1
Sheep	1	10	4	0
Skunk	244	1,219	14	6
Bat	108	1,061	31	11
Fox	11	155	0	0
Other ⁴	1	1,238	0	0
Total	358	8,562	89	22

⁴ Wolf-dog Hybrid

1992

Species	Number Positive	Number Tested	Persons Exposed	Persons Bitten
Cattle	6	50	13	0
Cat	3	2,680	4	1
Dog	5	2,242	58	1
Horse	1	48	56	0
Sheep	2	11	3	0
Skunk	307	1,203	31	2
Bat	105	1,039	24	7
Fox	35	186	31	3
Other ⁵	4	1,133	0	0
Total	468	8,592	220	14

⁵ Coyote (2), Opossum, Raccoon

1991

Species	Number Positive	Number Tested	Persons Exposed	Persons Bitten
Cattle	4	48	35	0
Cat	7	2,673	20	4
Dog	2	2,141	24	0
Horse	1	40	0	0
Sheep	0	9	0	0
Skunk	358	1,508	17	4
Bat	106	1,207	23	2
Fox	30	120	3	0
Other ⁶	2	1,247	0	0
Total	510	8,993	122	10

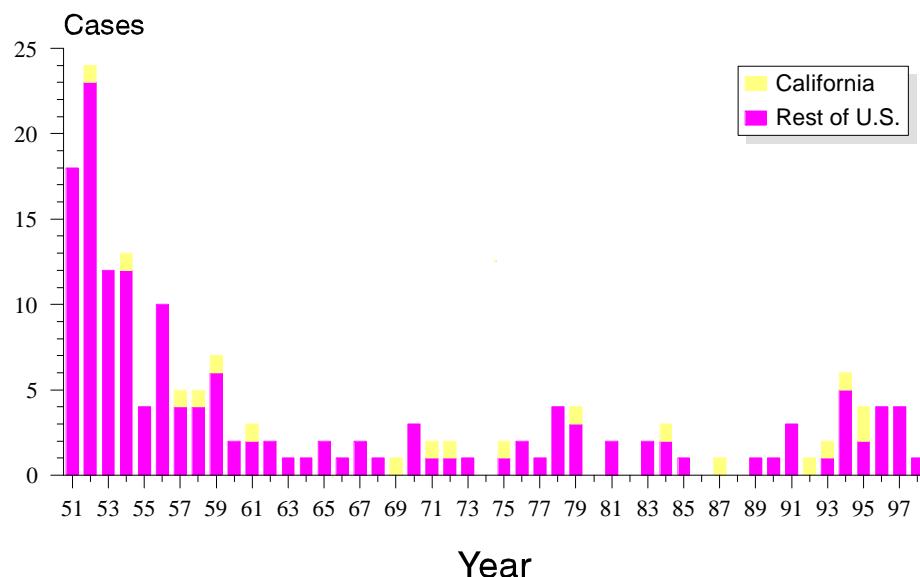
⁶ Badger, Opossum

1990

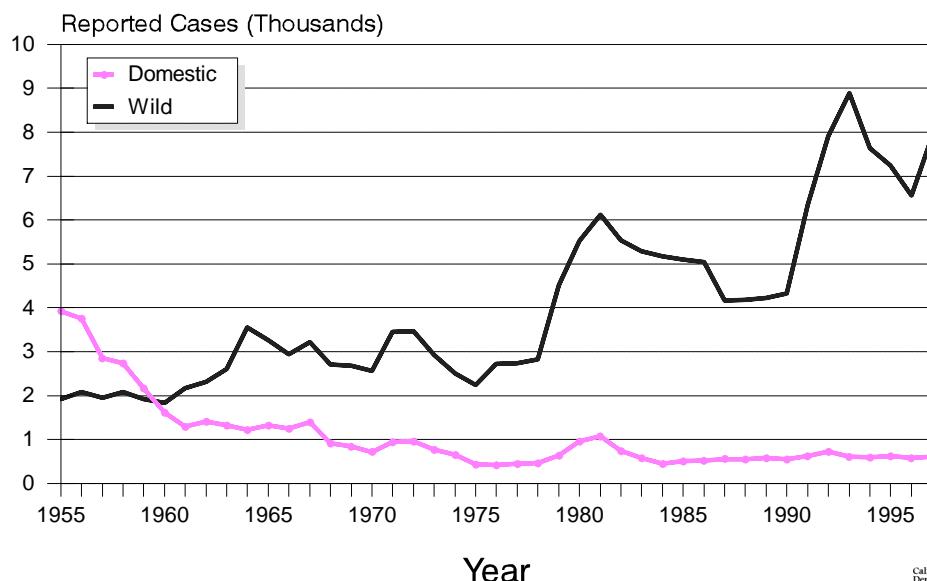
Species	Number Positive	Number Tested	Persons Exposed	Persons Bitten
Cattle	1	36	0	0
Cat	3	2,257	8	2
Dog	3	1,954	36	0
Horse	2	47	9	0
Sheep	2	11	0	0
Skunk	230	1,234	17	0
Bat	105	1,191	21	5
Fox	10	116	11	5
Other ⁷	5	976	7	0
Total	361	7,822	109	12

⁷ Bobcat (2), Coyote (2), Opossum

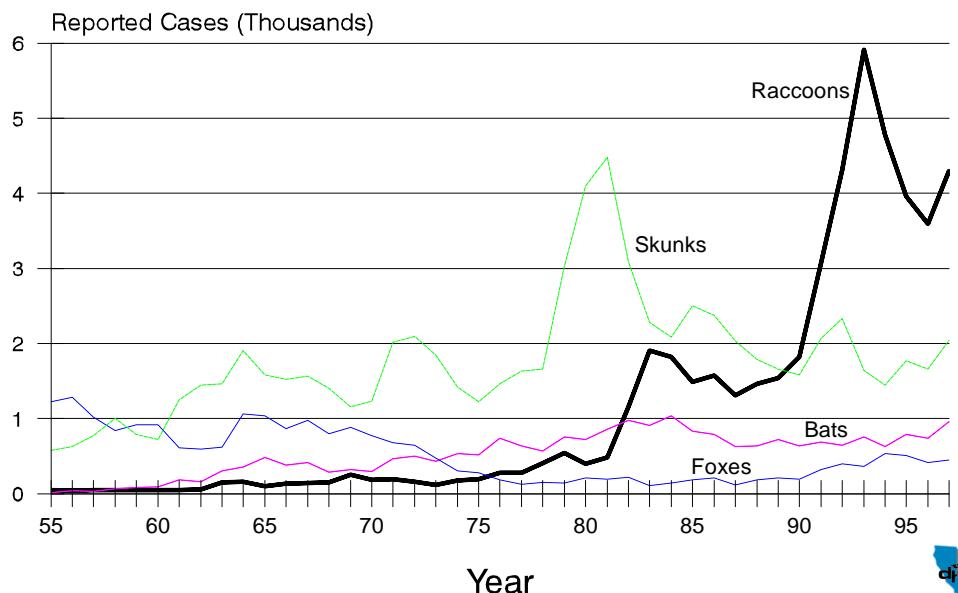
Human Rabies United States, 1951 - 1998



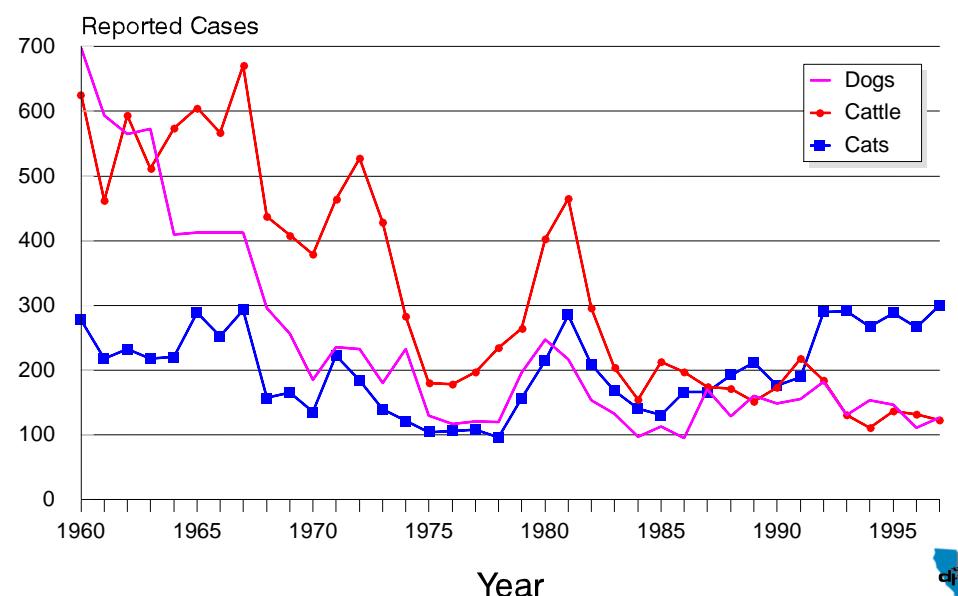
Reported Cases of Animal Rabies United States, 1955 - 1997



Reported Cases of Wildlife Rabies United States, 1955 - 1997



Rabies Reported in Domestic Animals United States, 1960 - 1997



**Animals Tested for Rabies and Number Found Positive, By Species
California Health Jurisdictions, 1998**

Type of Animal	California		Alameda		Alpine		Amador		Berkeley		Butte		Calaveras		Colusa	
	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos
Badger	2	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bat	1,448	185	34	3	-	-	17	2	15	3	80	16	16	0	4	2
Bobcat	10	0	-	-	-	-	-	-	-	-	1	0	-	-	-	-
Bovine	26	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Cat	2,510	3	67	0	-	-	24	0	11	0	54	1	9	0	2	0
Chipmunk	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coyote	65	0	-	-	-	-	3	0	-	-	-	-	1	0	-	-
Deer	4	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dog	2,804	4	42	0	-	-	19	0	14	0	32	0	1	0	-	-
Equine	54	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferret	16	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Red	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Gray	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Not Specified	49	4	2	1	-	-	-	-	1	0	-	-	1	0	-	-
Goat	14	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gopher	26	0	-	-	-	-	-	-	-	-	1	0	-	-	-	-
Guinea Pig	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hamster	10	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mole	5	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monkey	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Wild	9	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Pet	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Not Specified	17	0	-	-	-	-	-	-	1	0	-	-	-	-	-	-
Muskrat	5	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ocelot	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Opossum	479	2	11	0	-	-	1	0	7	0	10	0	-	-	-	-
Pig	4	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit	8	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Raccoon	315	0	24	0	-	-	1	0	7	0	8	0	3	0	-	-
Rat - Wild	8	0	-	-	-	-	-	-	-	-	1	0	-	-	-	-
Rat - Pet	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rat - Not Specified	32	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rodent - Not Specified	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep	7	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skunk - Striped	70	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skunk - Not Specified	859	184	48	6	-	-	7	2	19	0	48	5	4	0	-	-
Skunk - Spotted	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Ground	10	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Tree	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Not Specified	84	0	8	0	-	-	-	-	2	0	3	0	-	-	1	0
Weasel	5	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other (See Footnote)	33	0	-	-	-	-	-	-	-	-	1	0	-	-	-	-
Total - All Species	8,997	384	236	10	0	0	73	5	77	3	239	22	35	0	7	2

Other Species include:

Wolf Hybrid

**Animals Tested for Rabies and Number Found Positive, By Species
California Health Jurisdictions, 1998**

Type of Animal	Contra Costa Total	Contra Costa Pos	Del Norte Total	Del Norte Pos	El Dorado Total	El Dorado Pos	Fresno Total	Fresno Pos	Glenn Total	Glenn Pos	Humboldt Total	Humboldt Pos	Imperial Total	Imperial Pos	Inyo Total	Inyo Pos
Badger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bat	38	4	1	0	25	1	34	3	42	9	8	1	22	1	7	5
Bobcat	-	-	-	-	-	-	1	0	-	-	-	-	-	-	-	-
Bovine	-	-	-	-	-	-	-	-	1	0	1	0	-	-	-	-
Cat	78	0	3	0	30	0	96	0	16	0	30	1	4	0	1	0
Chipmunk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coyote	-	-	-	-	1	0	-	-	-	-	-	-	1	0	-	-
Deer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dog	22	0	6	0	32	0	120	0	11	0	4	0	15	0	-	-
Equine	-	-	-	-	2	0	-	-	-	-	-	-	-	-	-	-
Ferret	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Red	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Gray	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Not Specified	2	0	-	-	2	1	-	-	-	-	-	-	-	-	-	-
Goat	-	-	-	-	-	-	-	-	-	-	1	0	-	-	-	-
Gopher	-	-	-	-	-	-	4	0	-	-	2	0	1	0	-	-
Guinea Pig	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hamster	-	-	-	-	-	-	3	0	-	-	-	-	1	0	-	-
Mole	-	-	-	-	-	-	-	-	-	-	2	0	-	-	-	-
Monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Wild	-	-	-	-	-	-	-	-	-	-	1	0	-	-	-	-
Mouse - Pet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Not Specified	-	-	-	-	-	-	5	0	-	-	-	-	2	0	-	-
Muskrat	-	-	-	-	-	-	-	-	-	-	-	-	1	0	-	-
Ocelot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Opossum	37	0	1	0	-	-	1	0	1	0	-	-	-	-	-	-
Pig	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit	1	0	-	-	1	0	-	-	-	-	-	-	-	-	-	-
Raccoon	46	0	-	-	3	0	1	0	2	0	3	0	-	-	-	-
Rat - Wild	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rat - Pet	-	-	-	-	-	-	-	-	-	-	1	0	-	-	-	-
Rat - Not Specified	1	0	-	-	-	-	5	0	-	-	-	-	-	-	-	-
Rodent - Not Specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep	-	-	-	-	-	-	1	0	-	-	-	-	-	-	-	-
Skunk - Striped	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skunk - Not Specified	161	12	-	-	28	11	16	7	25	20	6	2	7	0	-	-
Skunk - Spotted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Ground	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Tree	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Not Specified	4	0	-	-	-	-	1	0	-	-	1	0	-	-	-	-
Weasel	-	-	-	-	-	-	-	-	-	-	2	0	-	-	-	-
Other (See Footnote)	-	-	1	0	-	-	-	-	-	-	-	-	-	-	-	-
Total - All Species	391	16	12	0	124	13	288	10	98	29	62	4	54	1	8	5

Other Species include:

Harbor seal

**Animals Tested for Rabies and Number Found Positive, By Species
California Health Jurisdictions, 1998**

Type of Animal	Kern		Kings		Lake		Lassen		Long Beach		Los Angeles		Madera		Marin	
	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos
Badger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bat	31	12	3	1	1	0	7	0	3	0	80	13	6	1	92	10
Bobcat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0
Bovine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cat	34	0	4	0	15	0	1	0	13	0	157	0	15	0	27	0
Chipmunk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coyote	4	0	-	-	1	0	-	-	-	-	2	0	-	-	-	-
Deer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dog	46	0	5	0	17	0	2	0	7	0	182	0	3	0	11	0
Equine	-	-	-	-	-	-	-	-	-	-	1	0	-	-	1	0
Ferret	-	-	-	-	-	-	-	-	-	-	2	0	-	-	-	-
Fox - Red	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Gray	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Not Specified	1	0	-	-	-	-	-	-	3	0	-	-	2	0	1	0
Goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gopher	1	0	-	-	-	-	-	-	-	-	3	0	-	-	1	0
Guinea Pig	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hamster	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Wild	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Pet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Not Specified	-	-	-	-	1	0	1	0	-	-	1	0	-	-	-	-
Muskrat	-	-	-	-	1	0	-	-	-	-	-	-	-	-	-	-
Ocelot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Opossum	-	-	-	-	1	0	-	-	1	0	5	0	-	-	20	0
Pig	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit	-	-	-	-	-	-	-	-	-	-	3	0	-	-	-	-
Raccoon	4	0	-	-	-	-	-	-	-	-	13	0	3	0	14	0
Rat - Wild	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0
Rat - Pet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rat - Not Specified	-	-	-	-	-	-	-	-	-	-	2	0	-	-	-	-
Rodent - Not Specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skunk - Striped	4	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skunk - Not Specified	-	-	-	-	4	1	3	1	3	0	12	0	3	2	25	2
Skunk - Spotted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Ground	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Tree	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Not Specified	-	-	-	-	-	-	-	-	1	0	6	0	-	-	5	0
Weasel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other (See Footnote)	-	-	-	-	2	0	-	-	-	-	7	0	-	-	-	-
Total - All Species	125	12	12	1	43	1	14	1	31	0	476	13	32	3	200	12

Other Species include:

Donkey, Vole

Bird (1), Sea Lion (6)

**Animals Tested for Rabies and Number Found Positive, By Species
California Health Jurisdictions, 1998**

Type of Animal	Mariposa		Mendocino		Merced		Modoc		Mono		Monterey		Napa		Nevada	
	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos
Badger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bat	5	0	5	1	3	1	-	-	2	0	32	5	19	0	5	0
Bobcat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bovine	-	-	2	0	-	-	-	-	-	-	-	-	-	-	-	-
Cat	12	0	13	0	12	0	-	-	-	-	25	0	26	0	23	0
Chipmunk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coyote	-	-	-	-	-	-	-	-	-	-	2	0	1	0	-	-
Deer	-	-	-	-	-	-	-	-	-	-	1	0	-	-	-	-
Dog	11	0	16	1	14	0	4	0	-	-	13	0	12	0	11	0
Equine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferret	-	-	1	0	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Red	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Gray	-	-	-	-	-	-	-	-	-	-	-	-	1	0	-	-
Fox - Not Specified	5	0	1	1	1	0	-	-	-	-	1	1	2	0	-	-
Goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gopher	-	-	-	-	1	0	-	-	-	-	-	-	-	-	-	-
Guinea Pig	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hamster	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Wild	1	0	1	0	1	0	-	-	-	-	-	-	1	0	-	-
Mouse - Pet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Not Specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Muskrat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ocelot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Opossum	-	-	-	-	2	0	-	-	-	-	2	0	2	0	-	-
Pig	-	-	2	0	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit	-	-	-	-	1	0	-	-	-	-	-	-	-	-	-	-
Raccoon	2	0	3	0	2	0	-	-	-	-	3	0	2	0	2	0
Rat - Wild	-	-	-	-	-	-	1	0	-	-	-	-	2	0	-	-
Rat - Pet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rat - Not Specified	-	-	-	-	-	-	-	-	-	-	2	0	-	-	-	-
Rodent - Not Specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep	-	-	1	0	-	-	-	-	-	-	-	-	-	-	-	-
Skunk - Striped	-	-	-	-	-	-	-	-	-	-	-	-	1	0	-	-
Skunk - Not Specified	6	6	11	4	-	-	-	-	-	-	17	2	2	0	14	7
Skunk - Spotted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Ground	-	-	-	-	-	-	-	-	-	-	-	-	1	0	-	-
Squirrel - Tree	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Not Specified	-	-	2	0	1	0	-	-	-	-	1	0	-	-	-	-
Weasel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other (See Footnote)	-	-	-	-	1	0	-	-	-	-	-	-	2	0	-	-
Total - All Species	42	6	58	7	39	1	5	0	2	0	99	8	74	0	55	7

Other Species include:

Mink

Llama, Wolf Hybrid

**Animals Tested for Rabies and Number Found Positive, By Species
California Health Jurisdictions, 1998**

Type of Animal	Orange		Pasadena		Placer		Plumas		Riverside		Sacramento		San Benito		San Bernardino	
	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos
Badger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bat	62	8	1	1	20	2	7	2	27	5	29	6	21	2	78	9
Bobcat	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bovine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0
Cat	305	0	4	0	53	1	6	0	53	0	88	0	5	0	85	0
Chipmunk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coyote	8	0	-	-	1	0	-	-	5	0	-	-	-	-	6	0
Deer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dog	421	0	4	0	49	1	1	0	79	0	47	0	5	0	111	0
Equine	-	-	-	-	2	0	-	-	-	-	-	-	-	-	2	0
Ferret	2	0	-	-	-	-	-	-	2	0	-	-	-	-	1	0
Fox - Red	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Gray	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0
Fox - Not Specified	-	-	-	-	1	0	-	-	1	0	1	0	1	0	-	-
Goat	-	-	-	-	4	0	-	-	-	-	-	-	-	-	-	-
Gopher	-	-	-	-	-	-	-	-	-	-	-	-	1	0	2	0
Guinea Pig	-	-	-	-	1	0	-	-	-	-	-	-	-	-	-	-
Hamster	-	-	-	-	-	-	-	-	1	0	-	-	-	-	-	-
Mole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Wild	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0
Mouse - Pet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Not Specified	-	-	-	-	1	0	-	-	-	-	1	0	1	0	-	-
Muskrat	-	-	-	-	-	-	-	-	1	0	-	-	-	-	-	-
Ocelot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Opossum	218	1	-	-	14	1	-	-	25	0	-	-	-	-	2	0
Pig	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Raccoon	16	0	-	-	8	0	-	-	4	0	6	0	-	-	6	0
Rat - Wild	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0
Rat - Pet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rat - Not Specified	-	-	-	-	-	-	-	-	2	0	-	-	-	-	-	-
Rodent - Not Specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep	-	-	-	-	2	0	-	-	-	-	-	-	-	-	-	-
Skunk - Striped	-	-	-	-	-	-	2	0	-	-	-	-	-	-	17	0
Skunk - Not Specified	47	0	-	-	57	28	-	-	7	0	39	17	9	2	-	-
Skunk - Spotted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Ground	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	0
Squirrel - Tree	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Not Specified	-	-	1	0	2	0	-	-	-	-	1	0	2	0	-	-
Weasel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0
Other (See Footnote)	1	0	-	-	2	0	-	-	-	-	-	-	-	-	-	-
Total - All Species	1084	9	10	1	217	33	16	2	207	5	212	23	45	4	323	9

Other Species include:

Mt. Lion

Bear, Owl

**Animals Tested for Rabies and Number Found Positive, By Species
California Health Jurisdictions, 1998**

Type of Animal	San Diego		San Francisco		San Joaquin		San Luis Obispo		San Mateo		Santa Barbara		Santa Clara		Santa Cruz	
	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos
Badger	-	-	-	-	-	-	1	0	-	-	-	-	-	-	-	-
Bat	94	15	24	0	22	3	61	6	8	0	100	9	33	4	11	0
Bobcat	1	0	-	-	-	-	-	-	-	-	2	0	-	-	-	-
Bovine	2	0	-	-	-	-	1	0	-	-	-	-	-	-	-	-
Cat	261	0	53	0	29	0	16	0	94	0	29	0	204	0	22	0
Chipmunk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coyote	8	0	-	-	2	0	1	0	5	0	3	0	-	-	2	0
Deer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dog	643	0	59	0	21	0	12	0	88	0	21	0	226	0	22	0
Equine	1	0	-	-	-	-	-	-	1	0	2	0	-	-	-	-
Ferret	2	0	-	-	2	0	-	-	-	-	-	-	-	-	-	-
Fox - Red	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Gray	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Not Specified	2	0	-	-	-	-	1	0	1	0	1	0	3	0	-	-
Goat	4	0	-	-	2	0	-	-	-	-	2	0	-	-	-	-
Gopher	4	0	-	-	-	-	-	-	1	0	1	0	-	-	-	-
Guinea Pig	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hamster	2	0	-	-	-	-	-	-	1	0	-	-	2	0	-	-
Mole	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Wild	-	-	-	-	-	-	-	-	-	-	2	0	-	-	-	-
Mouse - Pet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Not Specified	-	-	-	-	-	-	-	-	1	0	-	-	-	-	-	-
Muskrat	-	-	-	-	-	-	-	-	-	-	-	-	1	0	-	-
Ocelot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Opossum	11	0	-	-	8	0	-	-	16	0	20	0	28	0	3	0
Pig	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Raccoon	12	0	1	0	8	0	3	0	26	0	7	0	26	0	4	0
Rat - Wild	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rat - Pet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rat - Not Specified	10	0	-	-	-	-	-	-	-	-	1	0	4	0	-	-
Rodent - Not Specified	-	-	-	-	-	-	-	-	1	0	-	-	-	-	-	-
Sheep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skunk - Striped	40	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skunk - Not Specified	1	0	2	0	10	0	46	24	30	0	17	1	25	0	13	0
Skunk - Spotted	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Ground	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Tree	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Not Specified	19	0	1	0	-	-	-	-	1	0	1	0	8	0	1	0
Weasel	2	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other (See Footnote)	8	0	-	-	-	-	-	-	-	-	1	0	1	0	-	-
Total - All Species	1132	15	140	0	104	3	142	30	274	0	210	10	561	4	78	0

Other Species include: Llama (4), Mt Lion (4)

Sea Lion

Mt. Lion

**Animals Tested for Rabies and Number Found Positive, By Species
California Health Jurisdictions, 1998**

Type of Animal	Shasta		Sierra		Siskiyou		Solano		Sonoma		Stanislaus		Sutter		Tehama	
	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos	Total	Pos
Badger	-	-	-	-	1	0	-	-	-	-	-	-	-	-	-	-
Bat	15	0	-	-	-	-	25	0	17	1	5	0	4	1	2	1
Bobcat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bovine	-	-	-	-	-	-	1	0	-	-	1	0	-	-	2	0
Cat	23	0	-	-	6	0	70	0	67	0	26	0	13	0	4	0
Chipmunk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coyote	-	-	-	-	1	0	-	-	-	-	1	0	-	-	-	-
Deer	1	0	-	-	-	-	-	-	1	0	-	-	-	-	-	-
Dog	15	0	-	-	1	0	17	0	26	0	23	0	9	0	10	1
Equine	1	0	-	-	-	-	1	0	-	-	-	-	1	0	-	-
Ferret	-	-	-	-	-	-	1	0	1	0	-	-	-	-	-	-
Fox - Red	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Gray	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fox - Not Specified	-	-	-	-	-	-	1	0	1	0	-	-	-	-	-	-
Goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gopher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guinea Pig	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hamster	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mole	-	-	-	-	-	-	-	-	2	0	-	-	-	-	-	-
Monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Wild	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Pet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Not Specified	-	-	-	-	-	-	-	-	2	0	-	-	-	-	-	-
Muskrat	-	-	-	-	-	-	-	-	-	-	-	1	0	-	-	-
Ocelot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Opossum	-	-	-	-	-	-	4	0	16	0	2	0	2	0	-	-
Pig	-	-	-	-	-	-	-	-	-	-	-	1	0	-	-	-
Rabbit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Raccoon	3	0	-	-	-	-	2	0	8	0	1	0	-	-	1	0
Rat - Wild	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rat - Pet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rat - Not Specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rodent - Not Specified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skunk - Striped	-	-	-	-	-	-	1	0	-	-	-	5	1	-	-	-
Skunk - Not Specified	9	5	1	0	-	-	6	1	8	0	1	0	-	-	1	1
Skunk - Spotted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Ground	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Tree	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Not Specified	-	-	-	-	-	-	-	-	5	0	-	-	-	-	1	0
Weasel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other (See Footnote)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total - All Species	68	5	1	0	9	0	129	1	154	1	60	0	36	2	21	3

Other Species include:

**Animals Tested for Rabies and Number Found Positive, By Species
California Health Jurisdictions, 1998**

Type of Animal	Total	Trinity Pos	Total	Tulare Pos	Total	Tuolumne Pos	Total	Ventura Pos	Total	Yolo Pos	Total	Yuba Pos
Badger	-	-	-	-	-	-	-	-	-	-	-	-
Bat	2	0	16	1	13	1	59	6	46	6	9	2
Bobcat	1	0	-	-	-	-	-	-	-	-	-	-
Bovine	-	-	-	-	-	-	-	-	12	0	1	0
Cat	3	0	29	0	15	0	92	0	42	0	11	0
Chipmunk	-	-	-	-	-	-	-	-	-	-	-	-
Coyote	-	-	2	0	-	-	2	0	1	0	1	0
Deer	-	-	-	-	-	-	-	-	1	0	-	-
Dog	-	-	24	1	10	0	164	0	14	0	10	0
Equine	-	-	3	0	-	-	-	-	36	0	-	-
Ferret	-	-	-	-	-	-	-	-	-	-	1	0
Fox - Red	-	-	1	0	-	-	-	-	-	-	-	-
Fox - Gray	-	-	1	0	-	-	-	-	-	-	-	-
Fox - Not Specified	-	-	-	-	9	0	-	-	-	-	1	0
Goat	-	-	-	-	1	0	-	-	-	-	-	-
Gopher	-	-	2	0	-	-	1	0	-	-	-	-
Guinea Pig	-	-	-	-	-	-	-	-	-	-	-	-
Hamster	-	-	-	-	-	-	-	-	-	-	-	-
Mole	-	-	-	-	-	-	-	-	-	-	-	-
Monkey	-	-	-	-	-	-	1	0	-	-	-	-
Mouse - Wild	-	-	-	-	-	-	-	-	-	-	1	0
Mouse - Pet	-	-	-	-	-	-	-	-	-	-	-	-
Mouse - Not Specified	-	-	-	-	-	-	-	-	-	-	-	-
Muskrat	-	-	-	-	-	-	-	-	-	-	-	-
Ocelot	-	-	-	-	-	-	-	-	-	-	-	-
Opossum	-	-	-	-	1	0	2	0	5	0	-	-
Pig	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit	-	-	-	-	-	-	-	-	-	-	-	-
Raccoon	-	-	5	0	3	0	16	0	3	0	-	-
Rat - Wild	-	-	-	-	-	-	-	-	-	-	-	-
Rat - Pet	-	-	-	-	-	-	-	-	-	-	-	-
Rat - Not Specified	-	-	-	-	-	-	3	0	2	0	-	-
Rodent - Not Specified	-	-	-	-	-	-	-	-	-	-	-	-
Sheep	-	-	-	-	-	-	-	-	3	0	-	-
Skunk - Striped	-	-	-	-	-	-	-	-	-	-	-	-
Skunk - Not Specified	1	0	9	5	4	3	31	0	10	6	6	1
Skunk - Spotted	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Ground	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Tree	-	-	-	-	-	-	-	-	-	-	-	-
Squirrel - Not Specified	-	-	-	-	-	-	3	0	2	0	-	-
Weasel	-	-	-	-	-	-	-	-	-	-	-	-
Other (See Footnote)	-	-	-	-	-	-	-	-	6	0	-	-
Total - All Species	7	0	92	7	56	4	374	6	183	12	41	3

Other Species include:

Donkey (1), Llama (2),
Mt. Lion (2), Harbor Seal (1)

Laboratory Examinations for Rabies in California 1950 – 1998

Species	Examinations	Positives	% Positive
Skunk	42,020	9,581	22.80%
Bat	41,902	4,244	10.13%
Dog	75,019	449	0.60%
Fox	5,281	400	7.57%
Cattle	2,022	277	13.70%
Cat	85,433	103	0.12%
Horse	1,805	69	3.82%
Bobcat	647	47	7.26%
Raccoon	7,181	30	0.42%
Coyote	2,330	28	1.20%
Sheep	334	14	4.19%
Opossum	9,039	12	0.13%
Badger	128	5	3.91%
Monkey	834	3	0.36%
Pig	186	3	1.61%
Other*	952	4	0.42%
Goat	381	2	0.52%
Squirrel	7,815	1	0.01%
Deer	240	1	0.42%
Ferret	409	1	0.24%
Ocelot	48	1	2.08%
Ring-tail cat	7	1	14.29%
Gopher	9,985	0	0
Mouse	7,924	0	0
Hamster	7,008	0	0
Rat	6,124	0	0
Rabbit	2,804	0	0
Chipmunk	1,150	0	0
Guinea pig	992	0	0
Weasel	867	0	0
Muskrat	697	0	0
Mole	424	0	0
Rodent, N.S.	114	0	0
Mink	62	0	0

* Others include: Ape, anteater, antelope, baboon, bear, beaver, binturong, bird (n.s.), burro, capybaras, chicken, chinchilla, coatiundi, cockatiel, cormorant, cougar, duck, eagle, elephant, falcon, fisher, gerbil, giraffe, grison, ground hog, gull, hawk, jaguar, jaguarundi, kangaroo, kinkajou, koala, leopard, lion, llama, lynx, margay, marten, mountain lion, mule, nutria, otter, owl, palm civet, pigeon, pig (wild), polecat (European), porcupine, prairie dog, reindeer, seal, sea lion, shrew, sloth, slow loris, tayra, tiger, vole, wallaby, wildcat, wolf, woodchuck, and zebra as well as others for which species records are not available.

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	Dogs Processed in Shelter	Dogs Reclaimed	Dogs Adopted	Dogs Euthanized	Dogs Dead of Other Causes	Dogs Stolen or Escaped	Dogs Transferred
Total	507,468	87,266	84,483	303,313	6,464	1,016	7,249
Alameda	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Alpine	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Amador	927	371	401	115	40	0	0
Berkeley	1,015	392	243	368	0	0	12
Butte	6,587	1,249	1,075	4,504	40	13	0
Calaveras	1,609	204	132	1,266	3	4	0
Colusa	423	34	2	357	30	0	0
Contra Costa	9,341	2,691	1,953	4,290	10	0	0
Del Norte	955	126	88	707	3	4	0
El Dorado	3,147	1,130	407	1,411	5	0	0
Fresno	32,287	2,470	4,633	24,181	87	60	869
Glenn	960	223	16	717	2	2	0
Humboldt	4,491	626	590	2,329	15	0	72
Imperial	1,586	331	31	960	4	0	260
Inyo	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Kern	21,967	1,882	2,544	17,222	306	54	789
Kings	525	55	0	454	62	0	0
Lake	2,701	399	683	1,612	0	0	1
Lassen	1,377	420	127	814	0	12	0
Long Beach	8,079	1,436	1,171	4,588	0	0	0
Los Angeles	97,271	12,953	16,507	60,575	986	251	1,455
Madera	4,817	307	360	3,980	13	6	0
Marin	1,998	1,136	611	276	0	0	0
Mariposa	442	101	107	231	3	0	0
Mendocino	2,423	441	204	1,311	16	8	14
Merced	8,529	596	458	4,960	9	48	1,193
Modoc	237	57	14	135	0	8	78
Mono	112	27	40	45	0	0	0
Monterey	4,742	1,380	975	2,636	16	3	324
Napa	1,415	623	207	516	53	0	139
Nevada	1,546	304	262	975	4	0	0
Orange	27,920	9,215	7,569	10,420	52	13	46
Pasadena	7,213	1,331	1,512	1,868	37	30	6
Placer	4,288	1,254	1,262	1,760	8	4	0
Plumas	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Riverside	45,190	5,498	5,796	29,184	3,026	42	740
Sacramento	10,989	2,494	2,478	10,807	87	10	0
San Benito	DNR	DNR	DNR	DNR	DNR	DNR	DNR
San Bernardino	63,210	7,366	6,091	40,521	228	65	211
San Diego	25,687	5,474	6,388	12,110	850	6	186
San Francisco	4,018	1,076	819	1,490	15	1	323
San Joaquin	16,796	2,361	2,129	12,556	0	6	94
San Luis Obispo	2,905	810	705	1,107	0	0	0
San Mateo	4,939	2,282	1,123	1,525	6	3	0
Santa Barbara	1,118	683	223	39	56	69	0
Santa Clara	13,464	3,389	4,036	5,951	19	13	88
Santa Cruz	4,418	1,007	807	613	2	3	15
Shasta	8,021	1,205	1,438	5,164	36	38	115
Sierra	38	1	14	12	0	0	0
Siskiyou	889	266	46	565	0	4	0
Solano	4,954	934	858	3,078	13	0	0
Sonoma	6,051	2,412	1,519	1,861	13	12	177
Stanislaus	13,482	1,440	1,796	9,641	231	170	0
Sutter	1,819	559	338	1,095	0	0	0
Tehama	2,160	407	150	1,654	8	16	9
Trinity	350	134	115	90	5	6	0
Tulare	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Tuolumne	1,805	314	176	1,281	3	2	0
Ventura	8,686	2,233	1,948	4,410	46	18	31
Yolo	3,477	878	1,082	1,442	7	3	0
Yuba	2,072	279	224	1,534	9	9	2

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	Dogs Entering Shelter	Captured by Animal Control	Surrendered by Owner	Surrendered by Public	Impounded for Quarantine	Transferred from Other Shelter	Dead Dogs Collected
Total	507,468	271,593	113,594	108,013	14,708	5,255	85,836
Alameda	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Alpine	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Amador	927	471	335	100	21	0	26
Berkeley	1,015	359	238	389	29	0	149
Butte	6,587	2,779	990	2,618	196	1,322	383
Calaveras	1,609	394	580	603	32	0	0
Colusa	423	376	25	15	7	0	39
Contra Costa	9,341	7,648	1,278	0	415	0	1,800
Del Norte	955	482	242	212	19	0	34
El Dorado	3,147	1,659	821	544	123	0	116
Fresno	32,287	6,648	13,146	11,181	131	1,181	3,463
Glenn	960	324	52	571	13	0	319
Humboldt	4,491	1,552	1,121	1,692	126	0	63
Imperial	1,586	480	511	386	209	0	210
Inyo	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Kern	21,967	15,004	2,401	4,253	229	80	2,332
Kings	525	497	12	0	16	0	62
Lake	2,701	1,165	782	719	35	0	119
Lassen	1,377	686	245	383	63	0	8
Long Beach	8,079	5,393	879	1,193	614	0	15,381
Los Angeles	97,271	40,094	26,203	30,189	764	21	29,257
Madera	4,817	1,822	1,079	1,834	82	0	1,247
Marin	1,998	0	568	1,396	34	0	483
Mariposa	442	0	0	53	0	442	3
Mendocino	2,423	860	516	888	159	0	377
Merced	8,529	5,675	628	765	361	1,100	440
Modoc	237	147	28	47	15	0	4
Mono	112	27	40	45	0	0	0
Monterey	4,742	3,134	1,296	245	67	0	49
Napa	1,415	1,016	377	0	22	0	62
Nevada	1,546	0	674	871	1	0	23
Orange	27,920	19,526	5,363	2,316	1,276	4	4,978
Pasadena	7,213	2,559	653	3,956	45	0	370
Placer	4,288	2,088	1,211	862	105	22	311
Plumas	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Riverside	45,190	27,351	11,897	4,906	1,052	0	5,433
Sacramento	10,989	7,164	2,029	1,489	307	0	2,665
San Benito	DNR	DNR	DNR	DNR	DNR	DNR	DNR
San Bernardino	63,210	40,424	10,432	11,576	755	23	6,706
San Diego	25,687	18,028	6,113	0	1,546	0	0
San Francisco	4,018	1,638	1,286	1,052	42	0	323
San Joaquin	16,796	14,112	547	1,835	302	0	417
San Luis Obispo	2,905	1,815	457	415	208	10	57
San Mateo	4,939	3,727	961	115	136	0	522
Santa Barbara	1,118	945	10	0	163	0	337
Santa Clara	13,464	6,267	3,786	3,327	84	0	2,352
Santa Cruz	4,418	854	908	2,649	7	0	354
Shasta	8,021	2,216	3,160	1,841	124	680	188
Sierra	38	25	0	13	0	0	0
Siskiyou	889	828	41	0	20	0	0
Solano	4,954	3,348	946	660	0	0	358
Sonoma	6,051	3,168	1,460	1,310	104	9	479
Stanislaus	13,482	7,612	2,878	2,242	4,047	346	1,489
Sutter	1,819	1,407	343	0	69	0	269
Tehama	2,160	1,117	508	581	39	15	16
Trinity	350	106	83	158	3	0	7
Tulare	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Tuolumne	1,805	529	659	587	30	0	37
Ventura	8,686	3,127	2,548	2,866	145	0	972
Yolo	3,477	1,755	0	1,571	151	0	541
Yuba	2,072	1,165	248	494	165	0	206

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	Animal Bites Reported		Other Dom. Animal Bites	Wild Animal Bites	30-Day Dogs Quarantines	6-Month Dog Quarantines
	Dogs Bites	Cat Bites				
Total	56,264	44,169	9,727	644	1,073	626
Alameda	DNR	DNR	DNR	DNR	DNR	DNR
Alpine	DNR	DNR	DNR	DNR	DNR	DNR
Amador	103	67	36	0	0	4
Berkeley	206	176	29	0	1	1
Butte	1,181	825	288	19	49	26
Calaveras	238	165	47	3	23	2
Colusa	52	46	4	0	2	0
Contra Costa	1,848	1,271	515	2	60	35
Del Norte	166	136	23	1	6	0
El Dorado	719	488	172	4	55	12
Fresno	2,099	1,812	213	19	55	0
Glenn	113	79	31	1	2	10
Humboldt	802	666	109	0	27	0
Imperial	413	387	21	0	5	0
Inyo	DNR	DNR	DNR	DNR	DNR	DNR
Kern	2,385	2,255	107	21	2	5
Kings	16	16	0	0	0	0
Lake	289	212	56	6	15	5
Lassen	116	113	2	0	1	0
Long Beach	1,198	1,099	96	0	3	0
Los Angeles	1,495	751	103	5	36	0
Madera	333	273	60	0	0	1
Marin	446	350	85	5	6	14
Mariposa	59	53	4	0	2	1
Mendocino	302	184	60	11	47	13
Merced	615	518	87	3	7	0
Modoc	35	33	2	0	0	0
Mono	27	21	6	0	0	0
Monterey	633	493	119	6	15	0
Napa	334	175	150	0	9	0
Nevada	198	153	44	1	0	6
Orange	6,099	4,647	1,306	17	129	135
Pasadena	80	63	16	0	1	0
Placer	858	547	293	8	10	106
Plumas	DNR	DNR	DNR	DNR	DNR	DNR
Riverside	3,316	2,335	581	342	13	27
Sacramento	3,916	3,068	831	5	12	0
San Benito	DNR	DNR	DNR	DNR	DNR	DNR
San Bernardino	3,689	3,178	472	8	31	1
San Diego	4,412	3,846	544	6	16	2
San Francisco	573	536	27	0	10	0
San Joaquin	1,938	1,625	296	7	10	4
San Luis Obispo	768	588	172	7	1	15
San Mateo	1,269	1,091	177	0	1	15
Santa Barbara	205	163	36	0	6	0
Santa Clara	3,070	2,661	347	38	24	0
Santa Cruz	626	401	163	5	57	32
Shasta	757	523	203	3	28	13
Sierra	9	9	0	0	0	0
Siskiyou	263	260	0	0	3	0
Solano	1,353	870	464	7	12	0
Sonoma	1,315	924	332	18	41	8
Stanislaus	1,558	1,314	220	0	18	3
Sutter	410	349	56	2	3	0
Tehama	243	198	37	3	5	0
Trinity	49	42	5	1	1	0
Tulare	DNR	DNR	DNR	DNR	DNR	DNR
Tuolumne	311	196	107	1	7	0
Ventura	1,728	1,243	288	42	155	99
Yolo	708	415	231	15	47	4
Yuba	320	260	54	2	4	26
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	Dogs Licensed	Dogs Vaccinated in Actual Cost Rabies Clinics	Dogs Licensed in Actual Cost Rabies Clinics	No. Actual Cost Rabies Clinics Held
Total	1,874,027	73,443	213,981	5,398
Alameda	DNR	DNR	DNR	DNR
Alpine	DNR	DNR	DNR	DNR
Amador	8,000	850	845	6
Berkeley	0	0	0	0
Butte	9,493	106	48	5
Calaveras	5,363	679	354	15
Colusa	772	204	204	4
Contra Costa	74,890	2,312	2,190	304
Del Norte	3,506	215	0	3
El Dorado	10,121	0	0	0
Fresno	30,505	2,132	967	33
Glenn	2,720	491	491	8
Humboldt	15,193	185	0	17
Imperial	3,104	1,407	1,547	21
Inyo	DNR	DNR	DNR	DNR
Kern	66,095	4,124	4,204	40
Kings	113	179	91	1
Lake	5,062	953	537	24
Lassen	1,425	95	162	3
Long Beach	18,091	1,368	32,120	2
Los Angeles	492,865	15,795	139,143	84
Madera	6,758	360	766	10
Marin	18,956	21	0	1
Mariposa	271	271	271	4
Mendocino	6,575	397	278	15
Merced	19,897	2,004	1,948	28
Modoc	123	186	0	7
Mono	1,287	530	530	7
Monterey	12,647	2,326	1,231	81
Napa	10,295	50	35	4
Nevada	5,079	19	12	1
Orange	244,529	2,574	1,077	20
Pasadena	4,232	465	0	2
Placer	13,000	1,711	351	252
Plumas	DNR	DNR	DNR	DNR
Riverside	117,495	1,625	1,263	27
Sacramento	70,668	0	428	24
San Benito	DNR	DNR	DNR	DNR
San Bernardino	124,448	6,423	6,092	142
San Diego	98,285	18,604	12,692	4,063
San Francisco	4,476	142	0	6
San Joaquin	30,946	126	73	3
San Luis Obispo	25,468	79	0	8
San Mateo	50,000	394	41	3
Santa Barbara	4,331	0	0	0
Santa Clara	53,185	85	65	7
Santa Cruz	6,751	42	36	2
Shasta	13,476	1,123	1,168	17
Sierra	598	95	47	4
Siskiyou	8,245	0	844	12
Solano	21,487	444	0	10
Sonoma	45,816	68	22	4
Stanislaus	13,211	462	460	10
Sutter	12,312	103	103	4
Tehama	10,623	252	289	15
Trinity	1,206	420	380	5
Tulare	DNR	DNR	DNR	DNR
Tuolumne	6,734	462	390	8
Ventura	45,530	139	45	8
Yolo	12,403	166	35	9
Yuba	5,366	180	106	5

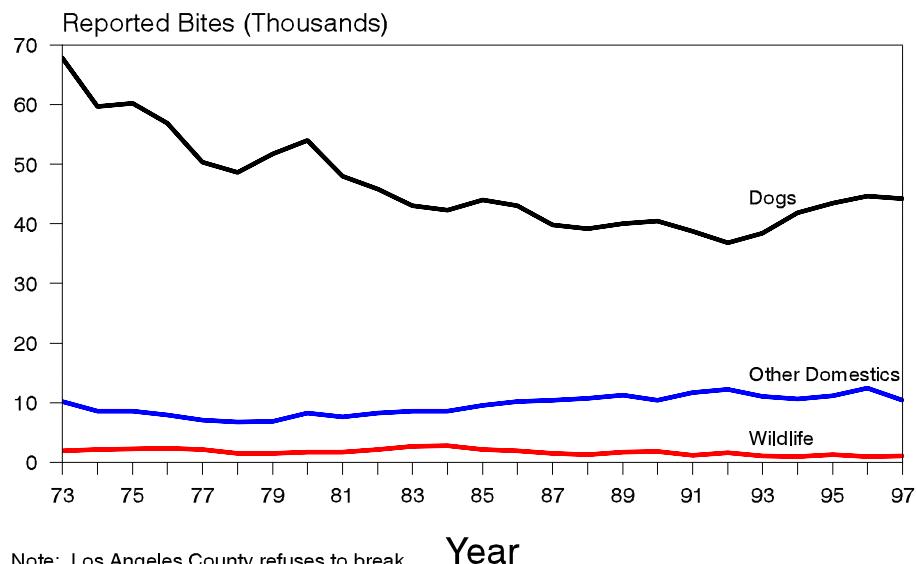
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	Cats Processed in Shelter	Cats Reclaimed	Cats Adopted	Cats Euthanized	Cats Dead of Other Causes	Cats Stolen or Escaped	Cats Transferred
Total	347,967	5,659	57,902	272,784	2,205	1,537	5,277
Alameda	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Alpine	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Amador	876	10	410	417	32	0	0
Berkeley	885	20	330	535	0	0	0
Butte	5,190	110	683	4,006	57	20	0
Calaveras	1,575	2	37	1,536	0	0	0
Colusa	225	0	0	225	0	0	0
Contra Costa	8,077	130	1,505	6,240	40	0	0
Del Norte	0	0	0	10	0	0	0
El Dorado	2,050	44	203	1,604	4	2	0
Fresno	22,205	172	1,906	19,725	52	64	275
Glenn	0	0	0	0	0	0	0
Humboldt	3,418	39	938	2,411	22	0	27
Imperial	807	14	1	523	4	6	249
Inyo	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Kern	17,126	176	1,775	14,685	164	21	323
Kings	106	0	0	106	0	0	0
Lake	2,154	17	207	1,944	0	3	0
Lassen	7	1	0	3	0	0	0
Long Beach	4,547	96	790	5,297	0	0	0
Los Angeles	69,713	720	9,064	54,443	639	534	521
Madera	2,718	22	172	2,488	6	9	0
Marin	1,716	167	905	609	0	0	0
Mariposa	235	4	99	128	0	0	0
Mendocino	1,915	17	80	1,321	48	6	3
Merced	4,571	54	280	3,279	2	29	903
Modoc	0	0	0	0	0	0	0
Mono	55	2	5	48	0	0	0
Monterey	4,122	114	830	4,156	50	10	291
Napa	1,760	82	188	1,322	62	6	188
Nevada	1,363	10	265	1,081	4	3	0
Orange	19,393	579	5,660	12,519	88	32	15
Pasadena	4,675	107	1,244	2,256	41	33	8
Placer	4,388	43	892	3,434	9	11	0
Plumas	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Riverside	23,940	232	2,794	18,687	69	30	0
Sacramento	9,140	172	1,499	10,440	53	11	0
San Benito	DNR	DNR	DNR	DNR	DNR	DNR	DNR
San Bernardino	30,920	331	2,957	23,997	93	145	46
San Diego	11,654	201	2,927	8,026	0	50	126
San Francisco	7,224	271	967	2,700	35	0	1,978
San Joaquin	8,101	107	1,131	7,699	5	5	76
San Luis Obispo	2,466	81	315	1,899	0	0	0
San Mateo	0	0	0	0	0	0	0
Santa Barbara	585	56	263	126	187	167	0
Santa Clara	20,231	390	4,010	15,428	44	39	10
Santa Cruz	3,327	119	1,021	1,749	10	0	2
Shasta	7,954	88	1,129	6,208	48	40	92
Sierra	24	0	11	13	0	0	0
Siskiyou	0	0	0	0	0	0	0
Solano	5,276	116	4,394	5,496	41	0	0
Sonoma	7,354	298	2,138	4,388	68	34	129
Stanislaus	8,209	79	662	7,446	155	77	0
Sutter	1,320	43	187	1,283	0	0	0
Tehama	1,328	6	68	1,241	3	15	0
Trinity	143	27	44	60	2	5	5
Tulare	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Tuolumne	1,861	18	159	1,677	1	13	0
Ventura	6,672	175	1,447	4,950	48	42	10
Yolo	3,170	72	1,228	1,866	6	62	0
Yuba	1,196	25	82	1,054	13	13	0

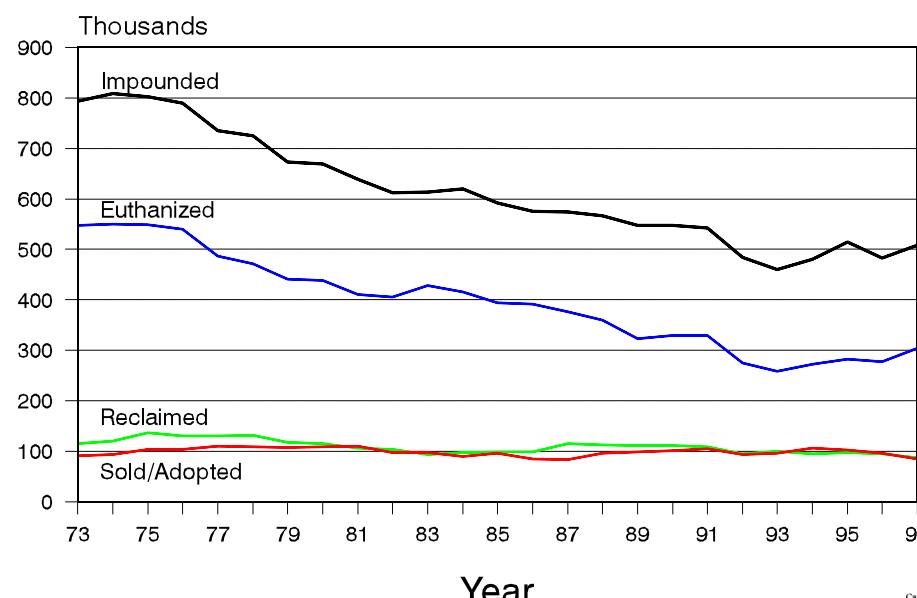
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	Cats Entering Shelter	Captured by Animal Control	Surrendered by Owner	Surrendered by Public	Impounded for Quarantine	Transferred from Other Shelter	Dead Cats Collected
Total	347,967	135,976	85,152	124,005	3,454	1,876	65,834
Alameda	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Alpine	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Amador	876	25	500	344	7	0	8
Berkeley	885	120	188	570	7	0	301
Butte	5,190	1,384	604	3,038	159	5	492
Calaveras	1,575	0	0	1,568	7	0	0
Colusa	225	24	142	59	0	0	32
Contra Costa	8,077	6,627	1,198	0	252	0	3,527
Del Norte	0	0	0	0	0	0	68
El Dorado	2,050	231	545	1,180	94	0	153
Fresno	22,205	2,143	12,148	7,516	47	351	2,870
Glenn	0	0	0	0	0	0	0
Humboldt	3,418	182	1,410	1,762	64	0	68
Imperial	807	140	419	234	14	0	180
Inyo	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Kern	17,126	11,032	2,277	3,993	112	56	3,140
Kings	106	106	0	0	0	0	0
Lake	2,154	444	302	1,344	64	0	78
Lassen	7	3	0	0	4	0	12
Long Beach	4,547	3,006	609	821	111	0	10,759
Los Angeles	69,713	25,792	12,925	30,857	87	24	8,710
Madera	2,718	315	960	1,401	42	0	139
Marin	1,716	0	621	1,016	34	0	667
Mariposa	235	231	0	0	4	0	0
Mendocino	1,915	210	362	1,306	37	0	430
Merced	4,571	2,126	329	1,029	71	928	623
Modoc	0	0	0	0	0	0	3
Mono	55	2	5	48	0	0	0
Monterey	4,122	2,465	1,267	362	28	0	197
Napa	1,760	0	229	0	4	0	74
Nevada	1,363	0	915	448	0	0	31
Orange	19,393	8,821	6,392	3,195	507	0	4,548
Pasadena	4,675	1,036	452	3,176	11	0	943
Placer	4,388	1,501	1,090	1,603	131	63	493
Plumas	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Riverside	23,940	11,560	7,442	4,658	300	0	4,262
Sacramento	9,140	7,020	1,725	287	108	0	2,462
San Benito	DNR	DNR	DNR	DNR	DNR	DNR	DNR
San Bernardino	30,920	16,227	5,654	8,774	261	4	6,279
San Diego	11,654	140	2,849	8,658	7	0	178
San Francisco	7,224	2,299	2,538	2,377	10	0	1,272
San Joaquin	8,101	4,973	492	2,603	32	0	250
San Luis Obispo	2,466	1,678	114	614	58	2	510
San Mateo	0	0	0	0	0	0	0
Santa Barbara	585	550	3	0	32	0	622
Santa Clara	20,231	10,332	5,238	8,911	49	1	5,478
Santa Cruz	3,327	436	905	1,984	1	0	524
Shasta	7,954	1,597	3,318	2,443	167	429	374
Sierra	24	0	0	24	0	0	0
Siskiyou	0	0	0	0	0	0	0
Solano	5,276	2,865	92	2,319	0	0	68
Sonoma	7,354	2,537	2,107	2,610	99	1	737
Stanislaus	8,209	967	2,634	4,499	97	12	1,425
Sutter	1,320	874	393	0	53	0	422
Tehama	1,328	44	867	402	15	0	54
Trinity	143	41	30	69	3	0	4
Tulare	DNR	DNR	DNR	DNR	DNR	DNR	DNR
Tuolumne	1,861	67	862	894	38	0	75
Ventura	6,672	2,135	1,879	2,564	94	0	1,306
Yolo	3,170	1,201	0	1,883	86	0	799
Yuba	1,196	467	121	562	46	0	187

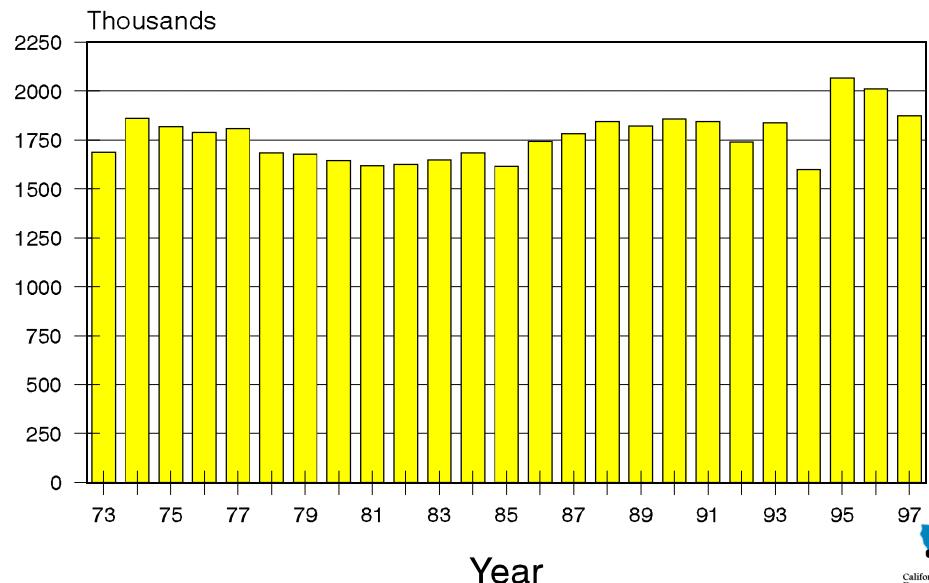
Animal Bites Reported California, 1973 - 1997 Excluding Los Angeles County*



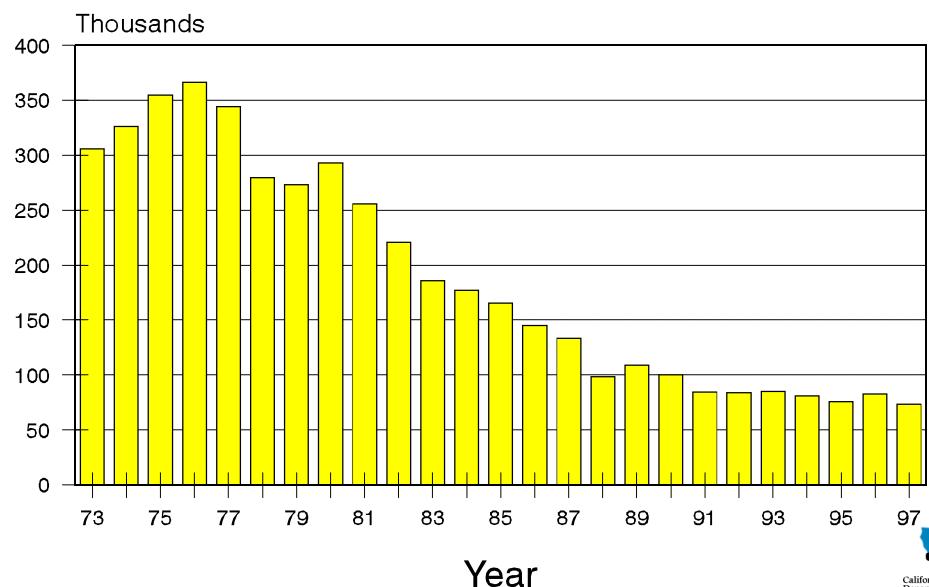
Dog Impoundments and Dispositions California, 1973 - 1997



Dogs Licensed California, 1973 - 1997



Canine Vaccinations in "Actual Cost" Clinics California, 1973 - 1997



California Department of Health Services
Compendium of U. S. Licensed Animal Rabies Vaccines - 1999,
and Their Application in Dogs Under the California Rabies Control Program

A) INACTIVATED

Product Name	Produced By	Marketed By	For Use In	Dosage/Route*	Age at Primary Vaccination ^x	Booster Recommendation
TRIMUNE	Fort Dodge Animal Health License No. 112	Fort Dodge Animal Health	Dogs Cats	1 ml IM 1 ml IM	4 mos. & 1 year later 3 mos. & 1 year later	Triennially Triennially
ANNUMUNE	Fort Dodge Animal Health License No. 112	Fort Dodge Animal Health	Dogs Cats	1 ml IM	NOT APPROVED FOR USE IN CALIFORNIA 3 months Annually	
DEFENSOR 1	Pfizer, Inc. License No. 189	Pfizer, Inc.	Dogs Cats	1 ml SC	NOT APPROVED FOR USE IN CALIFORNIA 3 months Annually	
DEFENSOR 3	Pfizer, Inc. License No. 189	Pfizer, Inc.	Dogs Cats Sheep Cattle	1 ml IM or SC 1 ml SC 2 ml IM 2 ml IM	4 mos. & 1 year later 3 mos. & 1 year later 3 months 3 months	Triennially Triennially Annually Annually
RABDOMUN	Pfizer, Inc. License No. 189	Schering-Plough	Dogs Cats Sheep Cattle	1 ml IM or SC 1 ml SC 2 ml IM 2 ml IM	4 mos. & 1 year later 3 mos. & 1 year later 3 months 3 months	Triennially Triennially Annually Annually
RABDOMUN 1	Pfizer, Inc. License No. 189	Schering-Plough	Dogs Cats	1 ml SC	NOT APPROVED FOR USE IN CALIFORNIA 3 months Annually	
RABVAC 1	Fort Dodge Animal Health License No. 112	Fort Dodge Animal Health	Dogs Cats	1 ml IM or SC	NOT APPROVED FOR USE IN CALIFORNIA 3 months Annually	
RABVAC 3	Fort Dodge Animal Health License No. 112	Fort Dodge Animal Health	Dogs Cats Horses	1 ml IM or SC 1 ml IM or SC 2 ml IM	4 mos. & 1 year later 3 mos. & 1 year later 3 months	Triennially Triennially Annually
PRORAB-1	Intervet, Inc. License No. 286	Intervet, Inc.	Dogs Cats Sheep	1 ml IM or SC 2 ml IM	NOT APPROVED FOR USE IN CALIFORNIA 3 months Annually	
PRORAB-3F	Intervet, Inc. License No. 286	Intervet, Inc.	Cats	1 ml IM or SC	3 mos. & 1 year later	Triennially
IMRAB 3	Merial License No. 298	Merial	Dogs Cats Sheep Cattle Horses Ferrets	1 ml IM or SC 1 ml IM or SC 2 ml IM or SC 2 ml IM or SC 2 ml IM or SC 1 ml SC	4 mos. & 1 year later 3 mos. & 1 year later 3 mos. & 1 year later 3 months 3 months 3 months	Triennially Triennially Triennially Annually Annually Annually
IMRAB BOVINE PLUS	Merial License No. 298	Merial	Cattle Horses Sheep	2 ml IM or SC 2 ml IM or SC 2 ml IM or SC	3 months 3 months 3 mos. & 1 year later	Annually Annually Triennially
IMRAB 1	Merial License No. 298	Merial	Dogs Cats	1 ml IM or SC	NOT APPROVED FOR USE IN CALIFORNIA 3 months Annually	

ROUTES AND SITES OF INOCULATION IN DOGS: California specifies sites and routes indicated to be effective in efficacy trials. Administration via other sites or routes may reduce effectiveness or be unsafe. Except for DEFENSOR 3, RABDOMUN, RABVAC 3, and IMRAB 3, approved vaccines must be administered to dogs intramuscularly (IM) at one site in the thigh. DEFENSOR 3, RABDOMUN, RABVAC 3, and IMRAB 3 must be given to dogs either intramuscularly (IM) at one site in the thigh, or subcutaneously (SC) just behind the upper shoulder. For species other than dogs, refer to the product label.

Adapted from the Compendium of Animal Rabies Control, 1999, National Association of State Public Health Veterinarians, Inc.

California Department of Health Services
Compendium of U. S. Licensed Animal Rabies Vaccines - 1999,
and Their Application in Dogs Under the California Rabies Control Program

B) COMBINATION (INACTIVATED RABIES)

Product Name	Produced By	Marketed By	For Use In	Dosage/Route*	Age at Primary Vaccination ^x	Booster Recommendation
ECLIPSE 3 + FeLV/R	Fort Dodge Animal Health License No. 112	Schering-Plough	Cats	1 ml IM or SC	3 months	Annually
ECLIPSE 4 + FeLV/R	Fort Dodge Animal Health License No. 112	Schering-Plough	Cats	1 ml IM or SC	3 months	Annually
FEL-O-GUARD 3 + FeLV/R	Fort Dodge Animal Health License No. 112	Fort Dodge Animal Health	Cats	1 ml IM or SC	3 months	Annually
FEL-O-GUARD 4 + FeLV/R	Fort Dodge Animal Health License No. 112	Fort Dodge Animal Health	Cats	1 ml IM or SC	3 months	Annually
FEL-O-VAX PCT-R	Fort Dodge Animal Health License No. 112	Fort Dodge Animal Health	Cats	1 ml IM	3 mos. & 1 year later	Triennially
FELINE 4 + IMRAB	Merial License No. 298	Merial	Cats	1 ml SC	3 mos. & 1 year later	Triennially
FELINE 3 + IMRAB	Merial License No. 298	Merial	Cats	1 ml SC	3 mos. & 1 year later	Triennially
PUREVAX FELINE 4/ RABIES + LEUCAT	Merial License No. 298	Merial	Cats	1 ml SC	8 weeks & 1 year later	Annually
PUREVAX FELINE 4/ RABIES	Merial License No. 298	Merial	Cats	1 ml SC	8 weeks & 1 year later	Annually
PUREVAX FELINE 3/ RABIES + LEUCAT	Merial License No. 298	Merial	Cats	1 ml SC	8 weeks & 1 year later	Annually
PUREVAX FELINE 3/ RABIES	Merial License No. 298	Merial	Cats	1 ml SC	8 weeks & 1 year later	Annually
PUREVAX FELINE RABIES	Merial License No. 298	Merial	Cats	1 ml SC	8 weeks & 1 year later	Annually
EQUINE PÖTOMAVAC + IMRAB	Merial License No. 298	Merial	Horses	1 ml IM	3 months	Annually
MYSTIQUE II	Bayer Corp. License No. 52	Bayer Corp.	Horses	1 ml IM	3 months	Annually

* Intramuscularly (IM) at one site in the thigh.
Subcutaneously (SC) just behind the upper shoulder.

^x 3 months of age (or older) andrevaccinated one year later, or 8 weeks of age (or older) andrevaccinated one year later.